STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

11/15/2005

ENSR Consulting & Engineering - NJ
20 New England Ave
Piscataway, NJ 08854

Attention: Mr. Greg Micalizio

Laboratory Results
Job No. H547 - Phillipsburg

Dear Mr. Micalizio:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 20, 2005.

Lab No.	Client ID	Analysis Required
679273	RW13	PP VOA+10
679274	F101905	PP VOA+10
679275	MW01	PP VOA+10
679276	MW01P	PP VOA+10
679277	MW15	PP VOA+10
679278	F102005	PP VOA+10
679279	T102005	PP VOA+10

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael J. Urban
Laboratory Manager

Analytical Results Summary

Client ID: **RW13**
Site: Phillipsburg

Lab Sample No: **679273**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54358.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	0.8	0.4
1,1-Dichloroethane	1.0	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	2.9	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	1.6	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **RW13**
Site: Phillipsburg

Lab Sample No: **679273**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54358.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **F101905**
Site: Phillipsburg

Lab Sample No: **679274**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54359.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **F101905**
Site: Phillipsburg

Lab Sample No: **679274**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54359.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW01**
Site: Phillipsburg

Lab Sample No: **679275**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54360.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **MW01**
Site: Phillipsburg

Lab Sample No: **679275**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54360.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW01P**
Site: Phillipsburg

Lab Sample No: **679276**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54361.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **MW01P**
Site: Phillipsburg

Lab Sample No: **679276**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54361.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **MW15**
Site: Phillipsburg

Lab Sample No: **679277**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54362.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	2.1	0.4
1,1-Dichloroethane	11	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	3.8	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	6.4	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	1.5	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	1.2	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **MW15**
Site: Phillipsburg

Lab Sample No: **679277**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54362.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **F102005**
Site: Phillipsburg

Lab Sample No: **679278**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54369.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **F102005**
Site: Phillipsburg

Lab Sample No: **679278**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54369.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **T102005**
Site: Phillipsburg

Lab Sample No: **679279**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54370.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **T102005**
Site: Phillipsburg

Lab Sample No: **679279**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54370.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

General Information

Chain of Custody

H547

STL Edison

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STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice): GREGG MICALIZIO	Samplers Name (Printed): J. Holzer, A. Masuly	Site/Project Identification: IR - Phillipsburg
Company: ENSR	P.O. #: 2034012	State (Location of site): NJ: ■ NY: ☐ Other:
Address: 20 NEW ENGLAND AVE.	Analysis Turnaround Time: Standard ■	Regulatory Program: ISRA
City: PISCATAWAY State: NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone: 732-981-0200 Fax: 732-981-0116		

Sample Identification	Date	Time	Matrix	No. of Cont.	TCL + TAL VOA	Lab Use Only Sample Numbers
RW13	10.19.05	17:45	GW	3	X	679273
FIØ19Ø5	10/19.05	17:50	AQ	2	X	274
MWØ1	10.20.05	10:30	GW	3	X	275
MWØ1D	10.20.05	10:35	GW	3	X	276
MW15	10.20.05	14:05	GW	3	X	277
FIØ2ØØ5	10.20.05	14:30	AQ	2	X	278
TIØ2ØØ5	10.20.05	—	AQ	2	X	279

LAB USE ONLY
Project No: 924152
Job No: H547

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water: 1/2

Special Instructions

Water Metals Filtered (Yes/No)? _____

Relinquished by 1): Jeff Hoyer	Company: ENSR	Date / Time: 10/20/05 15:55	Received by 1):	Company: STL
Relinquished by 2):	Company:	Date / Time: /	Received by 2):	Company:
Relinquished by 3):	Company:	Date / Time: /	Received by 3):	Company:
Relinquished by 4):	Company:	Date / Time: /	Received by 4):	Company:

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: H547 **Site:** Phillipsburg

Client: ENSR Consulting & Engineering - NJ

VOAMS

WATER - 624

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
679273	10/19/2005	10/20/2005			10/25/2005	Tolentino, Joy	0025
679274	10/19/2005	10/20/2005			10/25/2005	Tolentino, Joy	0025
679275	10/20/2005	10/20/2005			10/25/2005	Tolentino, Joy	0025
679276	10/20/2005	10/20/2005			10/25/2005	Tolentino, Joy	0025
679277	10/20/2005	10/20/2005			10/25/2005	Tolentino, Joy	0025
679278	10/20/2005	10/20/2005			10/25/2005	Tolentino, Joy	0025
679279	10/20/2005	10/20/2005			10/25/2005	Tolentino, Joy	0025

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified detection limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: H547

Client: ENSR Consulting & Engineering - NJ

Date: 11/7/2005

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

All data conforms with method requirements.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **RW13**
Site: Phillipsburg

Lab Sample No: **679273**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54358.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	0.8	0.4
1,1-Dichloroethane	1.0	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	2.9	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	1.6	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **RW13**
Site: Phillipsburg

Lab Sample No: **679273**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54358.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54358.d
Report Date: 31-Oct-2005 16:57

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

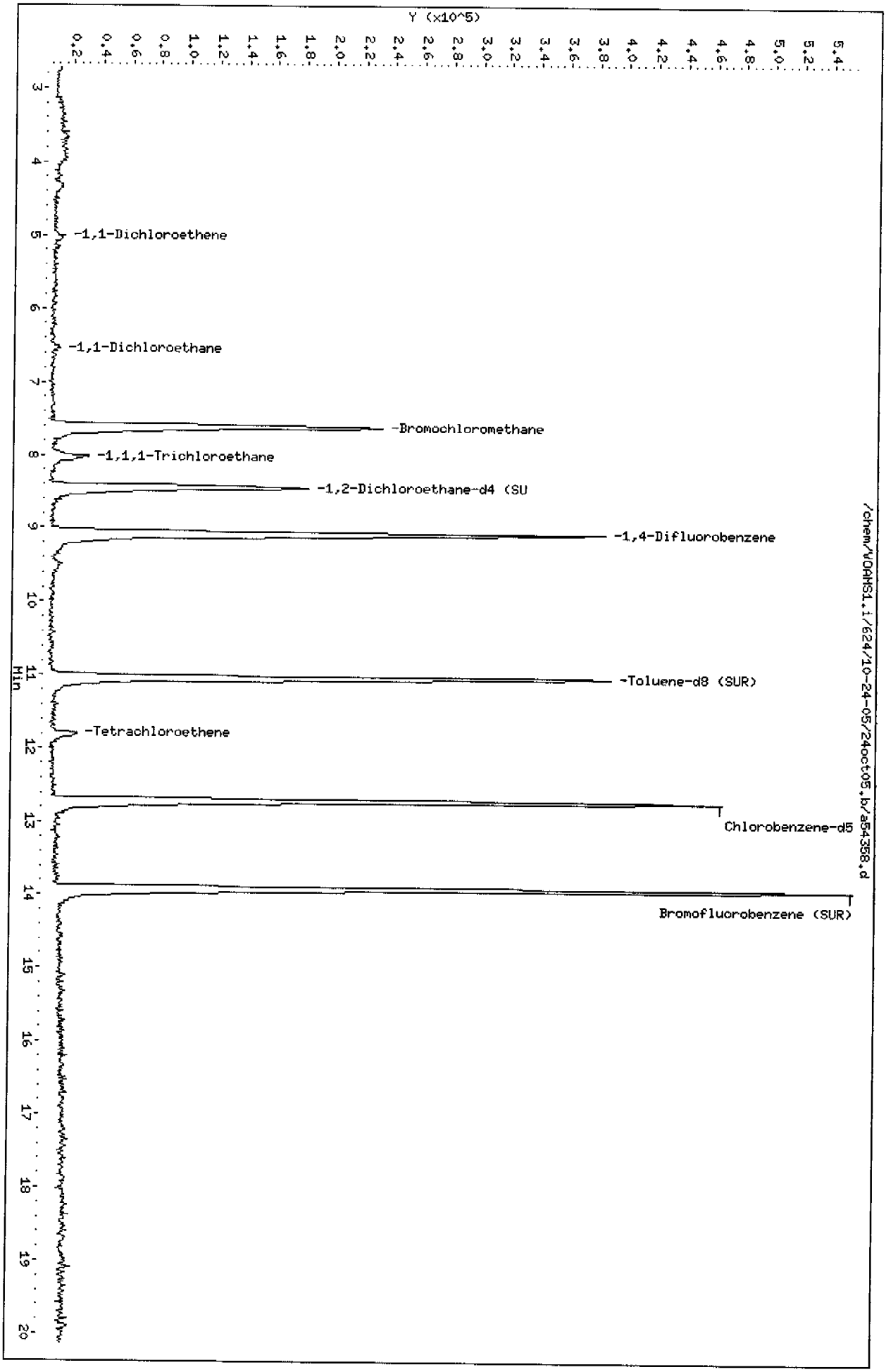
Data file : /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54358.d
Lab Smp Id: 679273 Client Smp ID: RW13
Inj Date : 25-OCT-2005 05:54
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : 679273
Misc Info : H547;0025;;JT
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/24oct05.b/624_05.m
Meth Date : 31-Oct-2005 12:21 vibha Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	10 1,1-Dichloroethene	96	5.016	4.960	(0.659)	3925	0.85170	0.85
	11 1,1-Dichloroethane	63	6.561	6.446	(0.861)	8957	0.98234	0.98
*	2 Bromochloromethane	128	7.617	7.531	(1.000)	168234	30.0000	
	20 1,1,1-Trichloroethane	97	8.018	7.947	(1.053)	38660	2.94073	2.9
$	16 1,2-Dichloroethane-d4 (SUR)	104	8.449	8.364	(0.931)	31680	28.8723	29
*	19 1,4-Difluorobenzene	114	9.073	9.003	(1.000)	660436	30.0000	
$	37 Toluene-d8 (SUR)	98	11.035	10.964	(0.868)	523005	30.4049	30
	35 Tetrachloroethene	166	11.808	11.722	(0.929)	12630	1.58516	1.6
*	32 Chlorobenzene-d5	117	12.714	12.644	(1.000)	437352	30.0000	
$	41 Bromofluorobenzene (SUR)	174	13.918	13.848	(1.095)	288432	29.8961	30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Date : 25-OCT-2005 05:54
Client ID: RW13
Sample Info: 679273
Purge Volume: 5.0
Column phase: DB624
Instrument: VOAMS1.i
Operator: VOAMS 1
Column diameter: 0.53
Y (x10^5)
-1,1-Dichloroethene
-1,1-Dichloroethane
-Bromochloromethane
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4 (SU
-1,4-Difluorobenzene
-Toluene-d8 (SUR)
-Tetrachloroethene
Chlorobenzene-d5
Bromofluorobenzene (SUR)
/chem/VOAMS1.i/624/10-24-05/24oct05.b/a54358.d
Min

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54358.d

Date : 25-OCT-2005 05:54

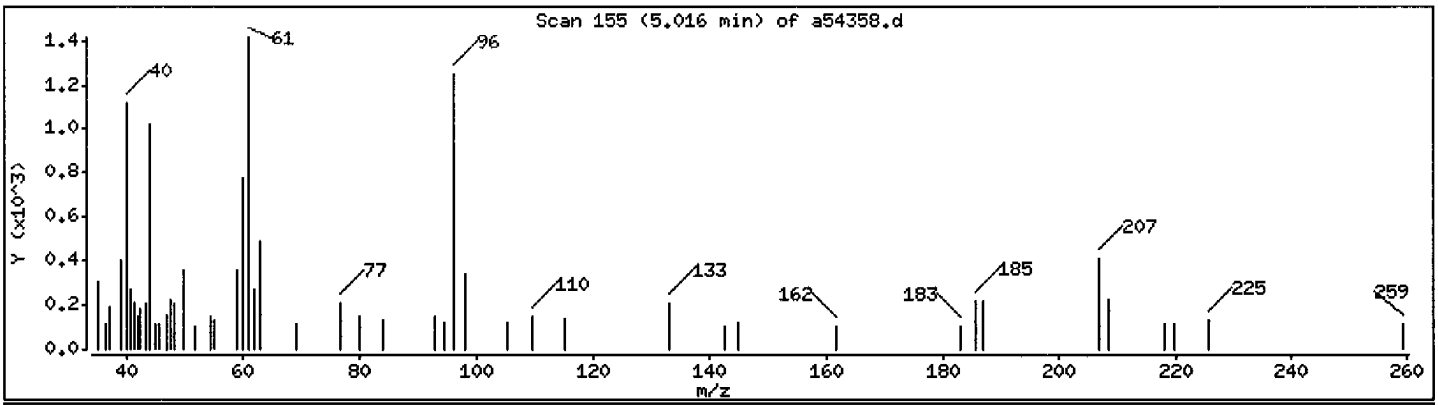
Client ID: RW13 Instrument: VOAMS1.i

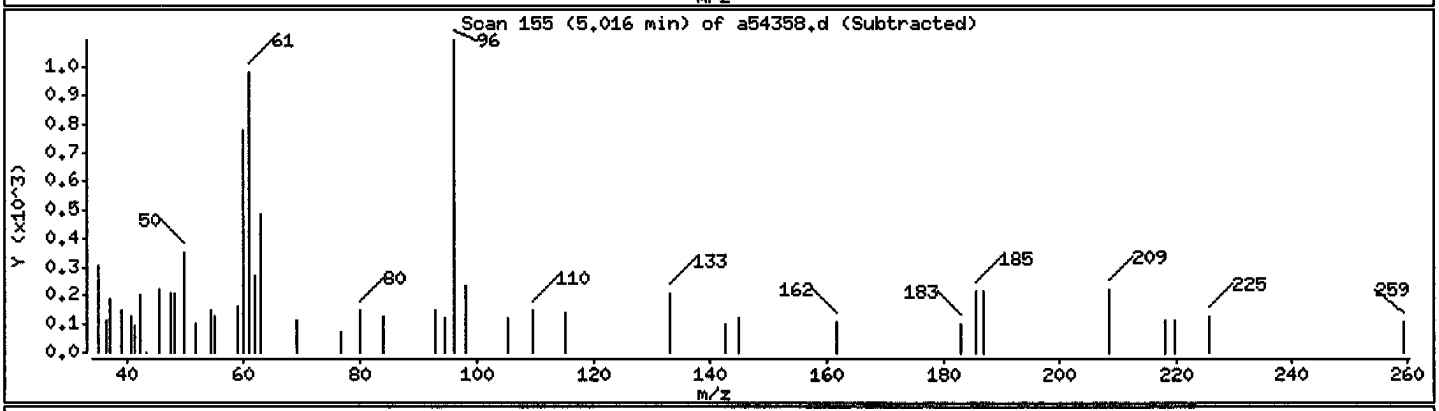
Sample Info: 679273

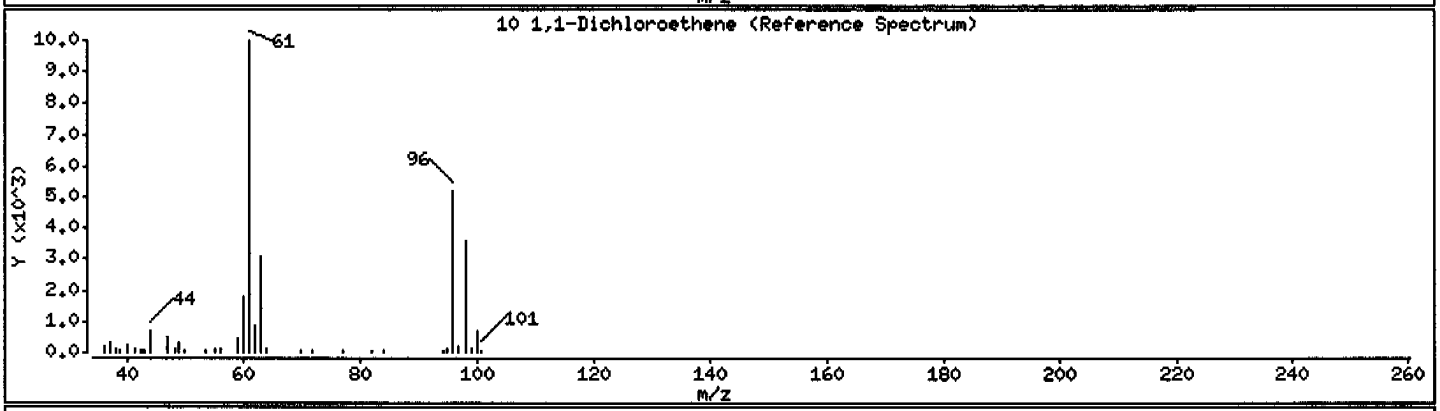
Purge Volume: 5.0 Operator: VOAMS 1

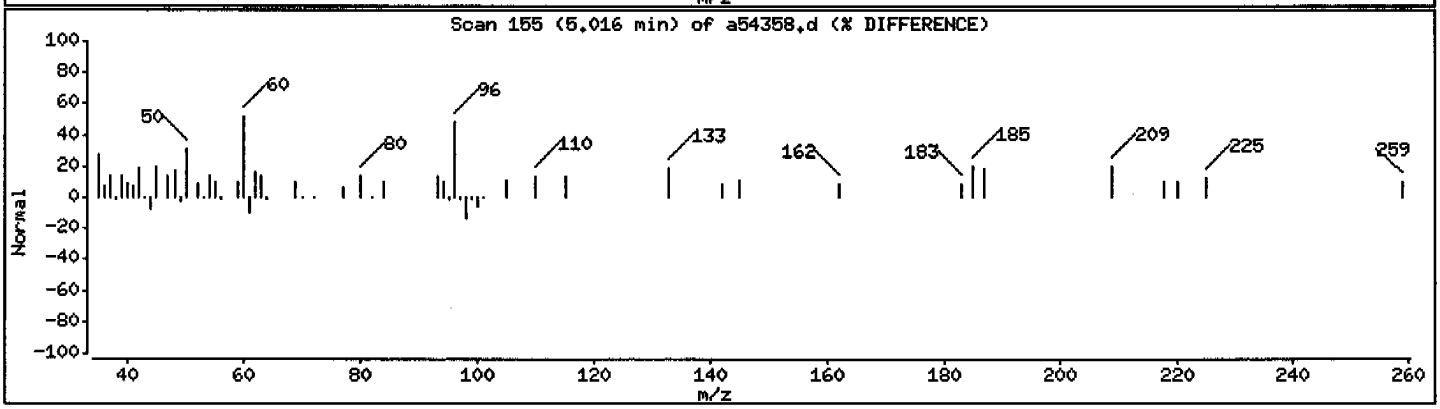
Column phase: DB624 Column diameter: 0.53

10 1,1-Dichloroethene Concentration: 0.85 ug/L









Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54358.d

Date : 25-OCT-2005 05:54

Client ID: RW13

Instrument: VOAMS1.i

Sample Info: 679273

Purge Volume: 5.0

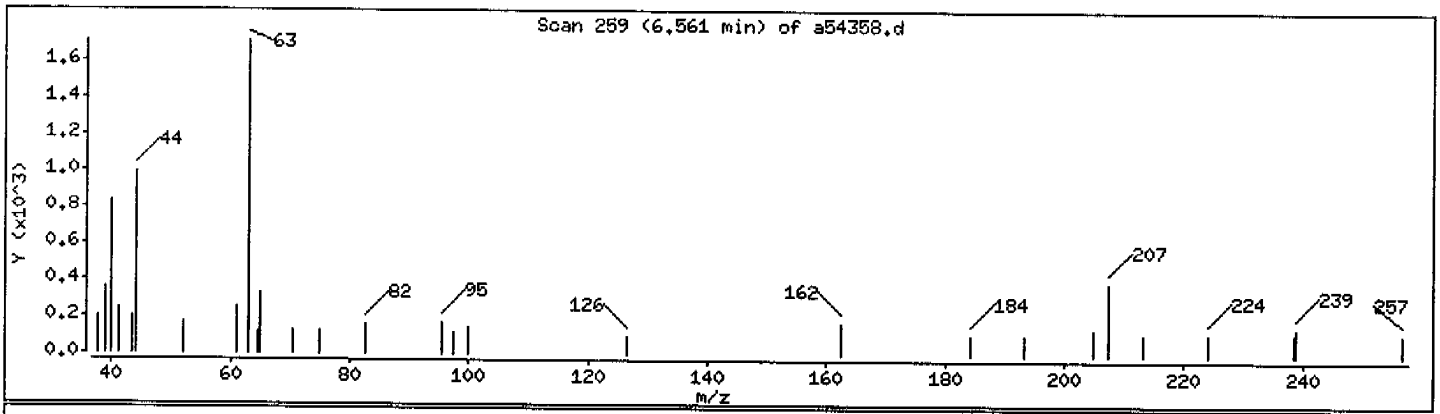
Operator: VOAMS 1

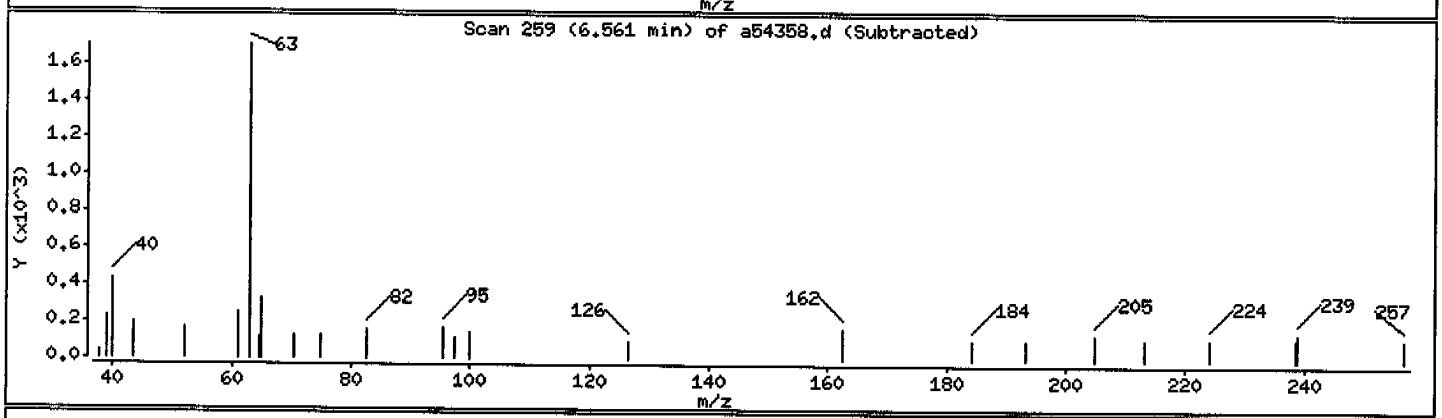
Column phase: DB624

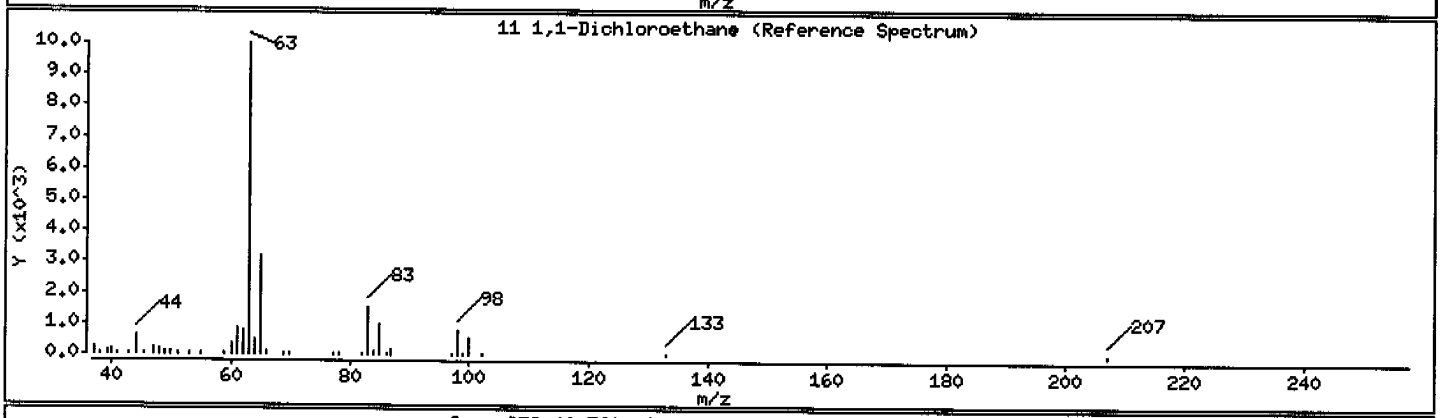
Column diameter: 0.53

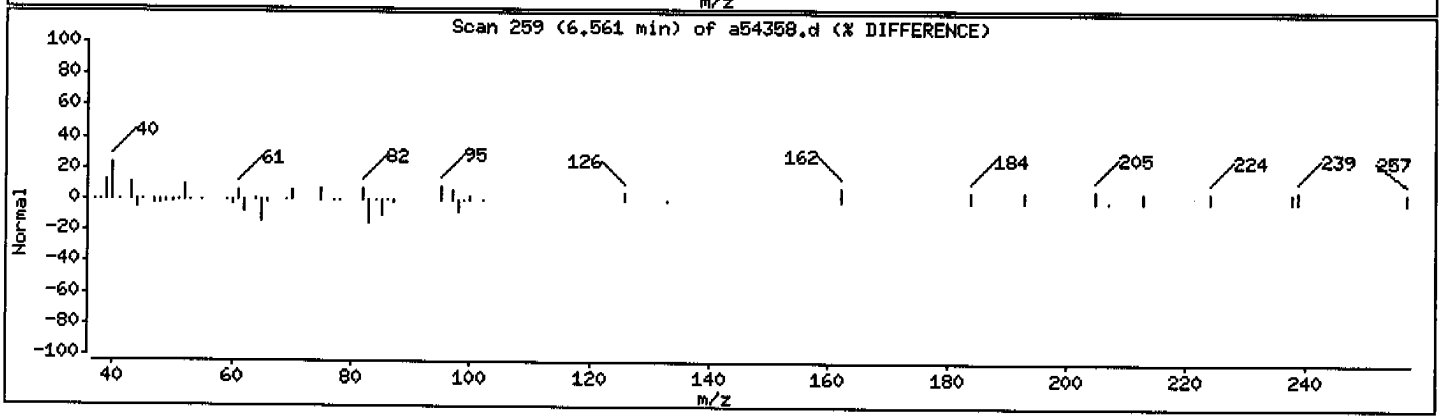
11 1,1-Dichloroethane

Concentration: 0.98 ug/L









Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54358.d

Date : 25-OCT-2005 05:54

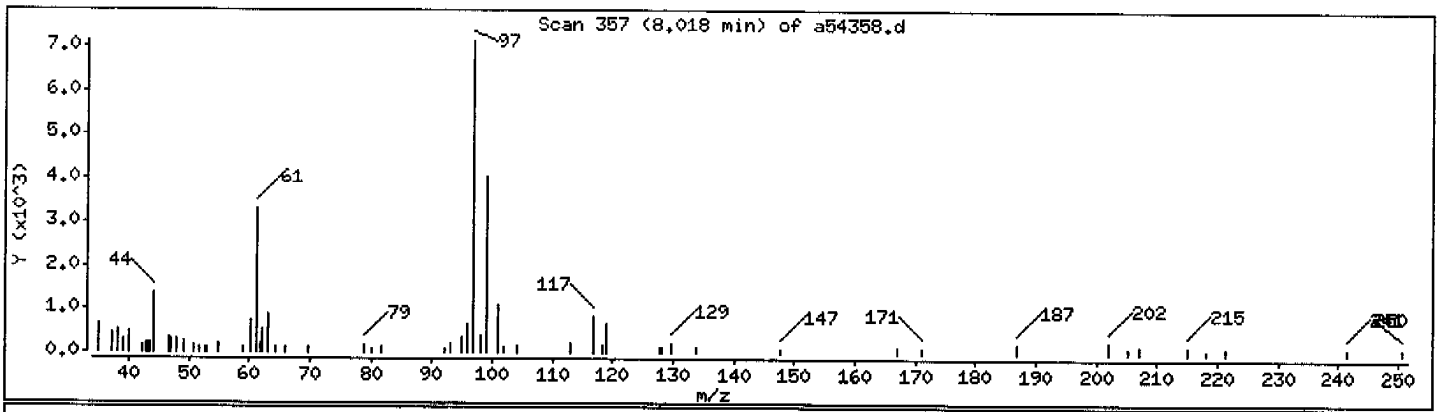
Client ID: RW13 Instrument: VOAMS1.i

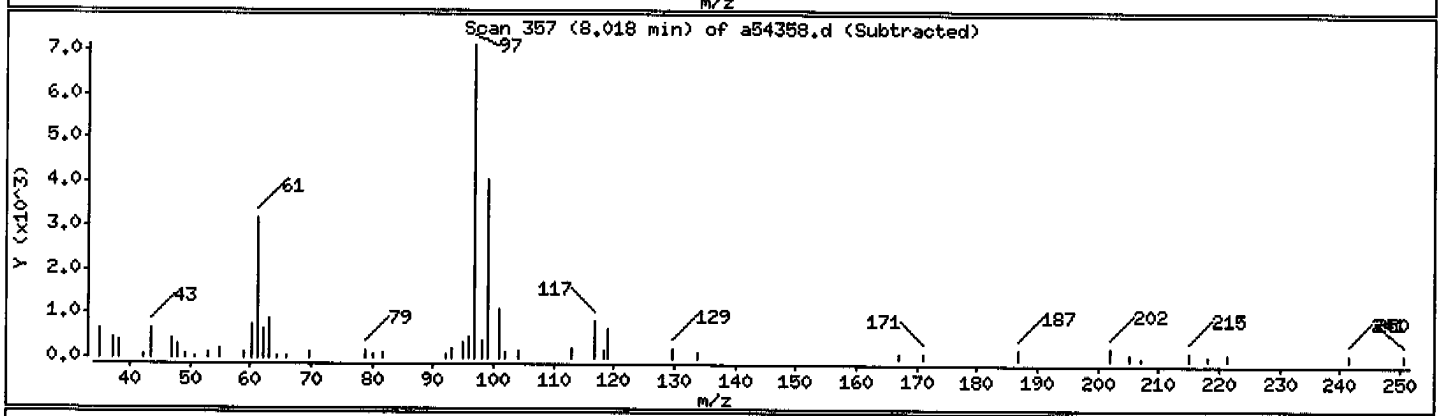
Sample Info: 679273

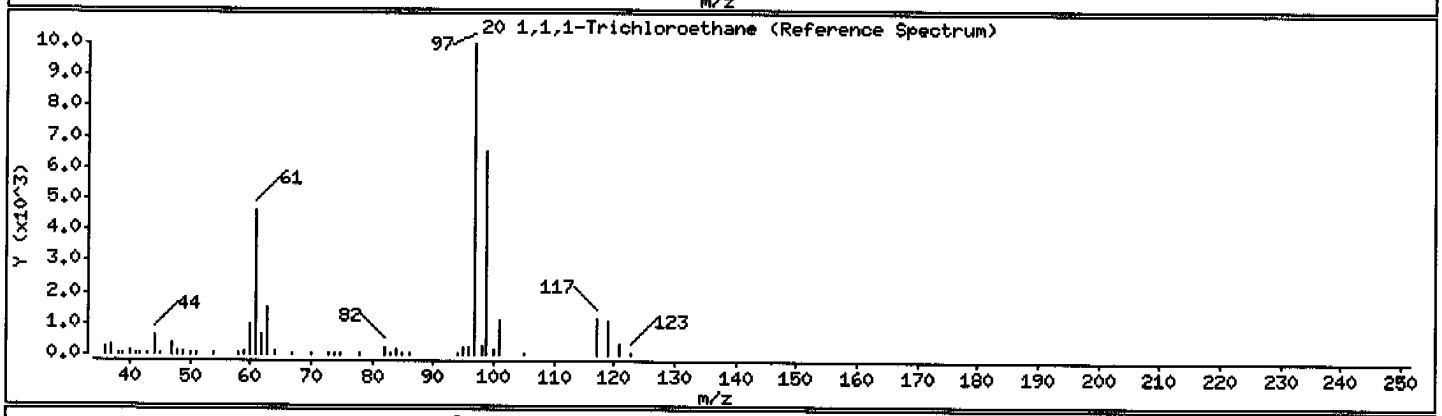
Purge Volume: 5.0 Operator: VOAMS 1

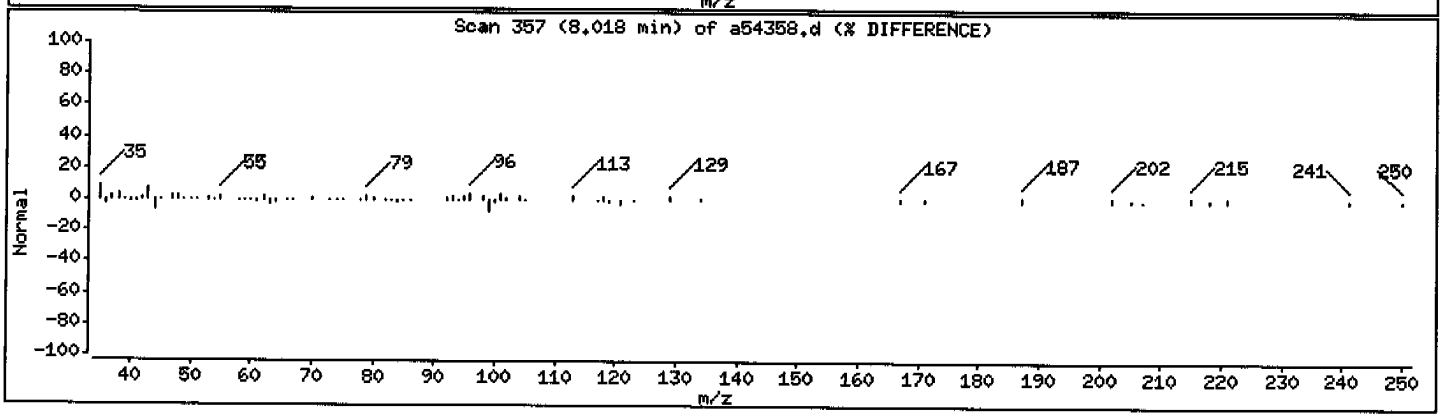
Column phase: DB624 Column diameter: 0.53

20 1,1,1-Trichloroethane Concentration: 2.9 ug/L









Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54358.d

Date : 25-OCT-2005 05:54

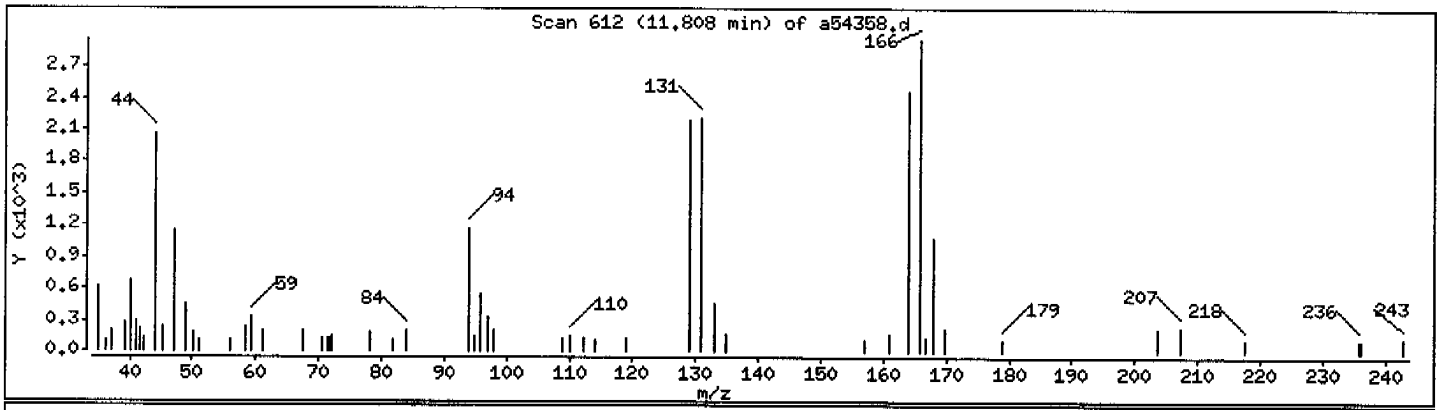
Client ID: RW13 Instrument: VOAMS1.i

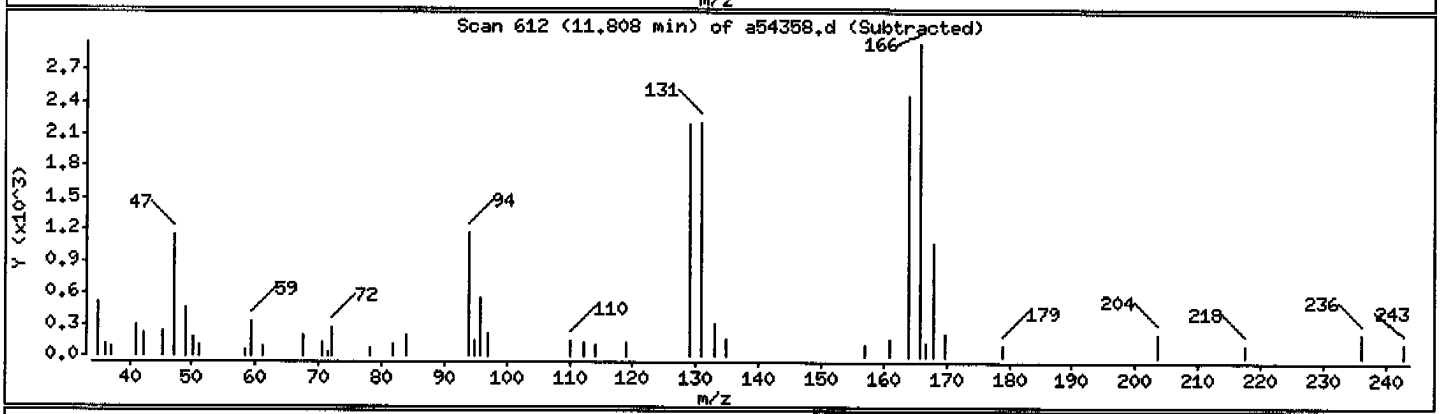
Sample Info: 679273

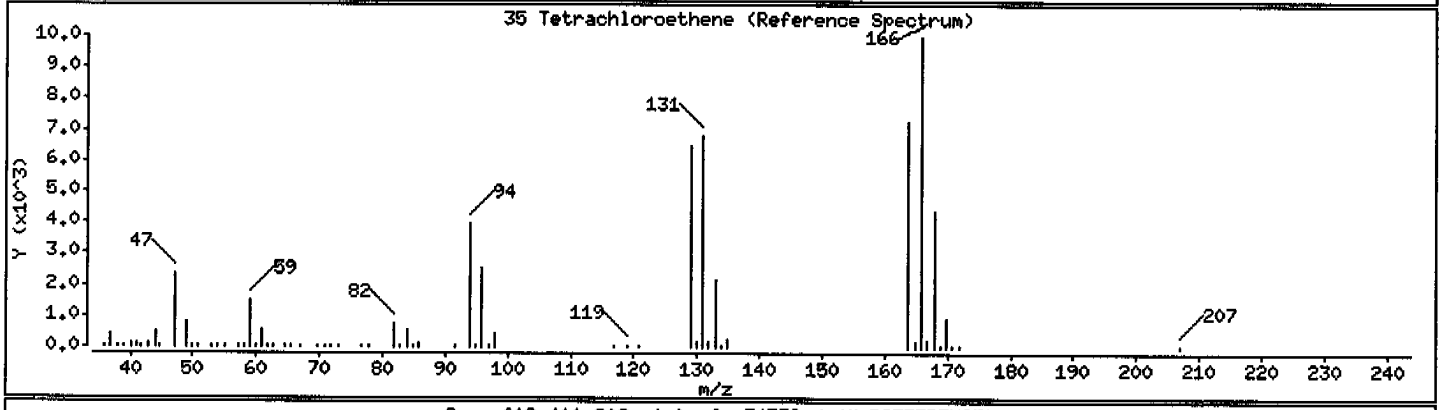
Purge Volume: 5.0 Operator: VOAMS 1

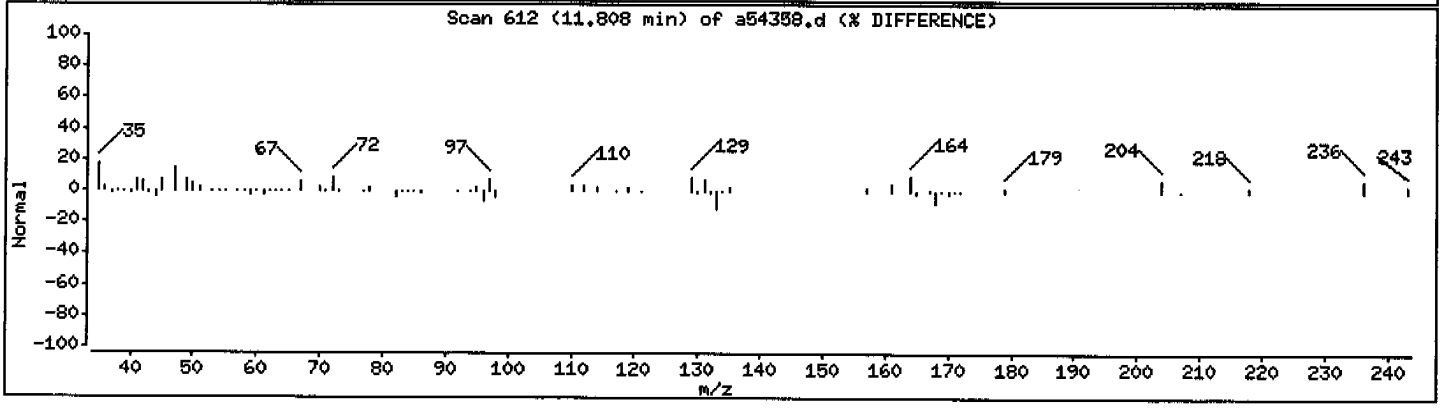
Column phase: DB624 Column diameter: 0.53

35 Tetrachloroethene Concentration: 1.6 ug/L









Client ID: **F101905**
Site: Phillipsburg

Lab Sample No: **679274**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54359.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **F101905**
Site: Phillipsburg

Lab Sample No: **679274**
Lab Job No: H547

Date Sampled: 10/19/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54359.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54359.d
Report Date: 25-Oct-2005 14:38

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

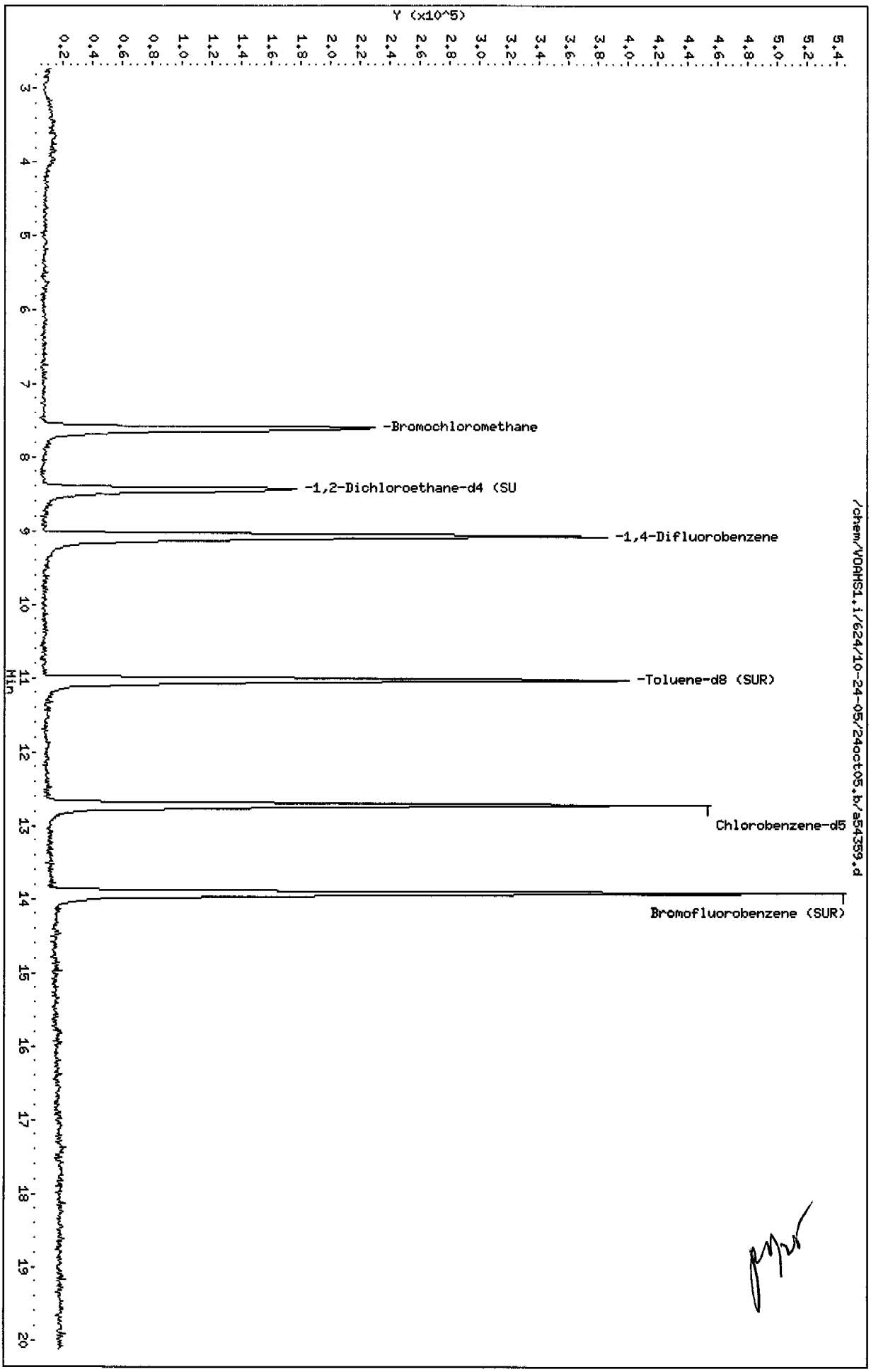
Data file : /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54359.d
Lab Smp Id: 679274 Client Smp ID: F101905
Inj Date : 25-OCT-2005 06:22
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : 679274
Misc Info : H547;0025;;JT
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/24oct05.b/624_05.m
Meth Date : 25-Oct-2005 14:35 tolentin Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	7.621	7.531	(1.000)	163370	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	8.453	8.364	(0.931)	33309	30.1076	30
* 19 1,4-Difluorobenzene	114	9.078	9.003	(1.000)	665906	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.025	10.964	(0.867)	535983	29.8899	30
* 32 Chlorobenzene-d5	117	12.719	12.644	(1.000)	455927	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.923	13.848	(1.095)	284219	28.2592	28


Data File: /chem/VOAHS1.i/624/10-24-05/24oct05.b/a54359.d
Date : 25-OCT-2005 06:22
Client ID: F101905
Sample Info: 679274
Purge Volume: 5.0
Column phase: DB624
Instrument: VOAHS1.i
Operator: VOAHS 1
Column diameter: 0.53
Y (x10^5)
-Bromochloromethane
-1,2-Dichloroethane-d4 (SU
-1,4-Difluorobenzene
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
/chem/VOAHS1.i/624/10-24-05/24oct05.b/a54359.d
Min

Client ID: **MW01**
Site: Phillipsburg

Lab Sample No: **679275**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54360.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **MW01**
Site: Phillipsburg

Lab Sample No: **679275**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54360.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54360.d
Report Date: 25-Oct-2005 14:38

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54360.d
Lab Smp Id: 679275 Client Smp ID: MW01
Inj Date : 25-OCT-2005 06:50
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : 679275
Misc Info : H547;0025;;JT
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/24oct05.b/624_05.m
Meth Date : 25-Oct-2005 14:35 tolentin Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 32
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

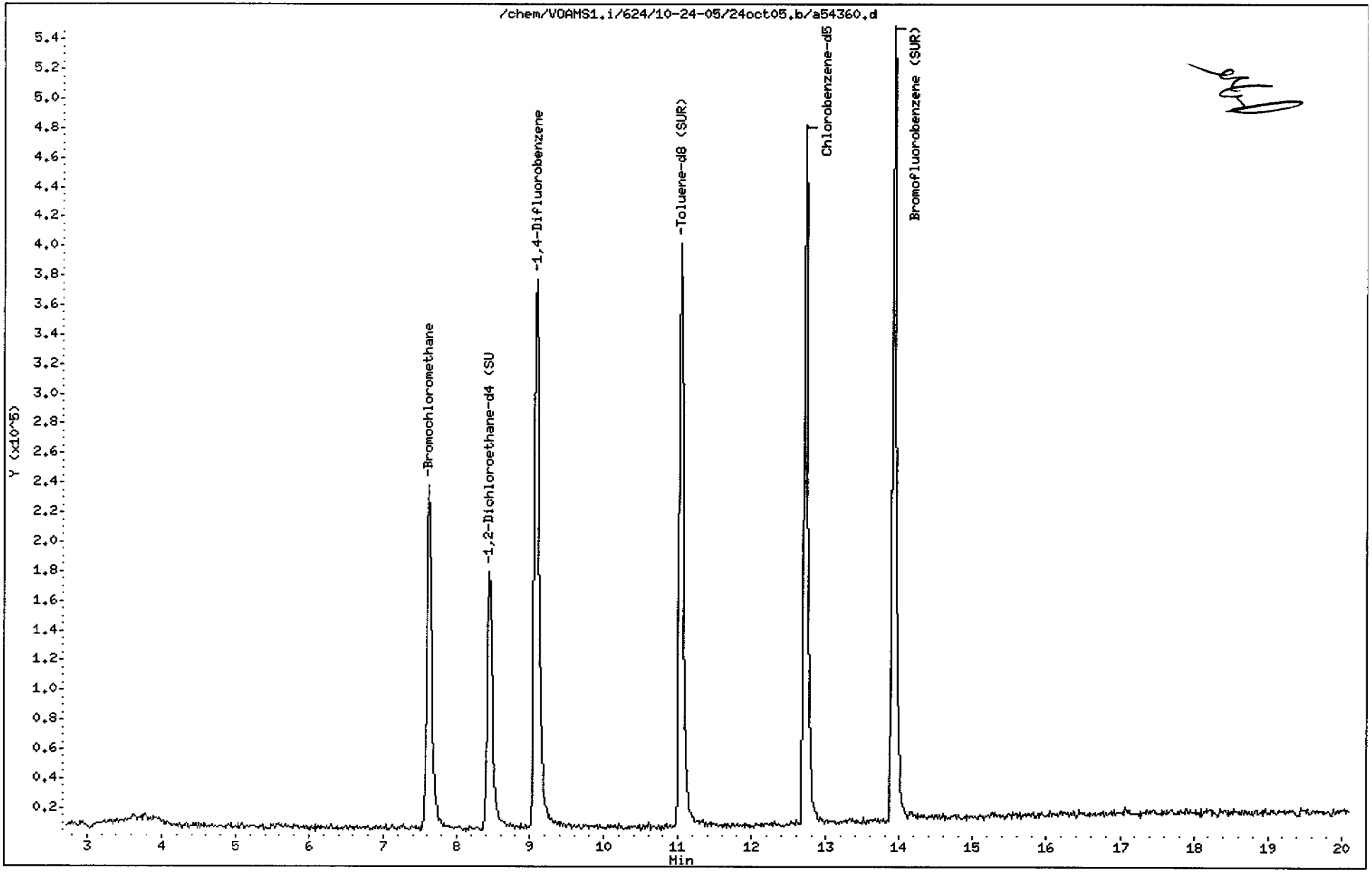
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	7.615	7.531	(1.000)	162583	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	8.447	8.364	(0.930)	34185	31.9217	32
* 19 1,4-Difluorobenzene	114	9.086	9.003	(1.000)	644579	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.033	10.964	(0.868)	529666	30.4866	30
* 32 Chlorobenzene-d5	117	12.712	12.644	(1.000)	441736	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.931	13.848	(1.096)	291430	29.9071	30

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54360.d
Date : 25-OCT-2005 06:50
Client ID: MW01
Sample Info: 679275
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS1.i
Operator: VOAMS 1
Column diameter: 0.53



STL Edison
H547

Client ID: **MW01P**
Site: Phillipsburg

Lab Sample No: **679276**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54361.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **MW01P**
Site: Phillipsburg

Lab Sample No: **679276**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54361.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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16.				
17.				
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19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54361.d
Report Date: 25-Oct-2005 14:38

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54361.d
Lab Smp Id: 679276 Client Smp ID: MW01P
Inj Date : 25-OCT-2005 07:18
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : 679276
Misc Info : H547;0025;;JT
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/24oct05.b/624_05.m
Meth Date : 25-Oct-2005 14:35 tolentin Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 33
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

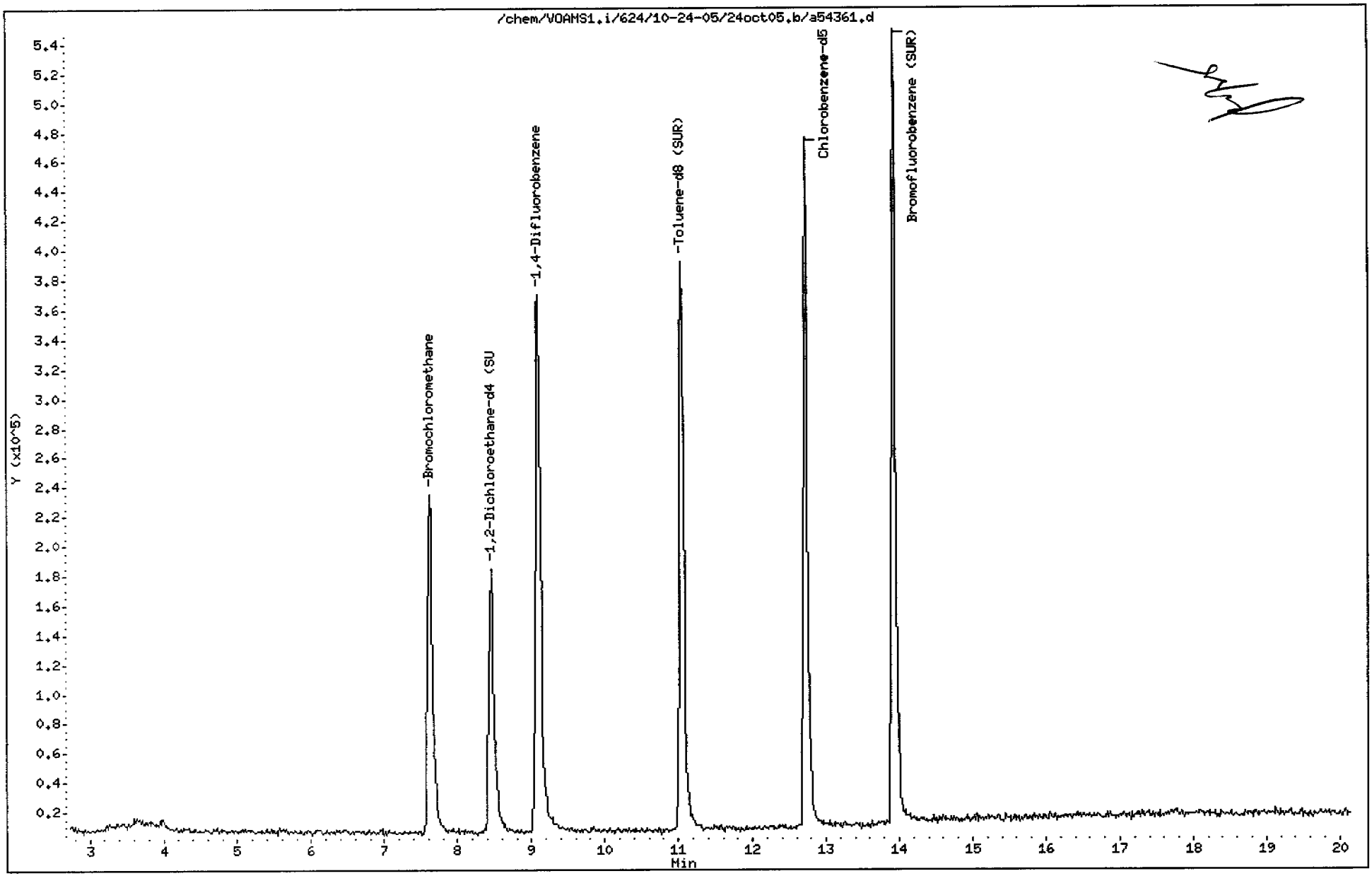
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	7.634	7.531	(1.000)	165928	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	8.467	8.364	(0.931)	30442	28.5744	28
* 19 1,4-Difluorobenzene	114	9.091	9.003	(1.000)	641243	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.038	10.964	(0.868)	526899	30.5819	30
* 32 Chlorobenzene-d5	117	12.717	12.644	(1.000)	438058	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.921	13.848	(1.095)	285139	29.5072	30

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54361.d
Date : 25-OCT-2005 07:18
Client ID: MW01P
Sample Info: 679276
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS1.i
Operator: VOAMS 1
Column diameter: 0.53



Client ID: **MW15**
Site: Phillipsburg

Lab Sample No: **679277**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54362.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	2.1	0.4
1,1-Dichloroethane	11	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	3.8	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	6.4	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	1.5	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	1.2	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **MW15**
Site: Phillipsburg

Lab Sample No: **679277**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54362.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d
Report Date: 31-Oct-2005 16:56

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d
Lab Smp Id: 679277 Client Smp ID: MW15
Inj Date : 25-OCT-2005 07:46
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : 679277
Misc Info : H547;0025;;JT
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/24oct05.b/624_05.m
Meth Date : 31-Oct-2005 12:21 vibha Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 34
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

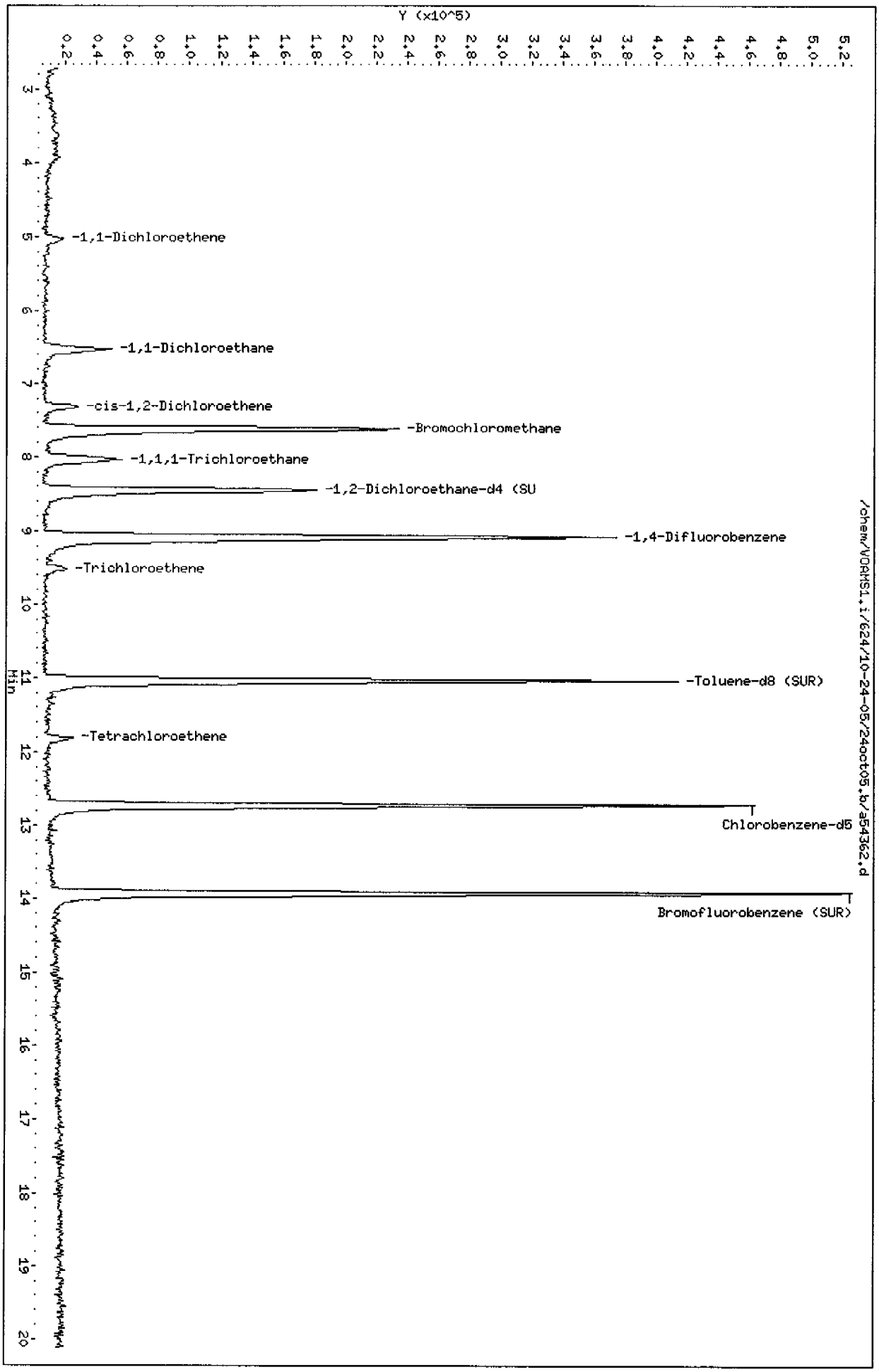
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
10	1,1-Dichloroethene	96	5.043	4.960	(0.662)	9229	2.09582	2.1	
11	1,1-Dichloroethane	63	6.530	6.446	(0.858)	92540	10.6213	11	
13	cis-1,2-Dichloroethene	96	7.302	7.204	(0.959)	19257	3.76144	3.8	
* 2	Bromochloromethane	128	7.615	7.531	(1.000)	160754	30.0000		
20	1,1,1-Trichloroethane	97	8.046	7.947	(1.057)	80585	6.41503	6.4	
$ 16	1,2-Dichloroethane-d4 (SUR)	104	8.462	8.364	(0.931)	33915	31.2966	31	
* 19	1,4-Difluorobenzene	114	9.086	9.003	(1.000)	652262	30.0000		
25	Trichloroethene	95	9.532	9.404	(1.049)	10125	1.48411	1.5	
$ 37	Toluene-d8 (SUR)	98	11.033	10.964	(0.875)	540469	30.5150	30	
35	Tetrachloroethene	166	11.820	11.722	(0.938)	10118	1.23330	1.2	
* 32	Chlorobenzene-d5	117	12.712	12.644	(1.000)	450326	30.0000		(H)
$ 41	Bromofluorobenzene (SUR)	174	13.931	13.848	(1.105)	280723	28.2588	28	

QC Flag Legend

H - Operator selected an alternate compound hit.


Y (x10^5)
-1,1-Dichloroethene
-1,1-Dichloroethane
-cis-1,2-Dichloroethene
-Bromochloromethane
-1,1,1-Trichloroethane
-1,2-Dichloroethane-d4 (SU
-1,4-Difluorobenzene
-Trichloroethene
-Toluene-d8 (SUR)
-Tetrachloroethene
Chlorobenzene-d5
Bromofluorobenzene (SUR)
Min
/chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d
Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d
Date : 25-OCT-2005 07:46
Client ID: MW15
Sample Info: 679277
Purge Volume: 5.0
Column phase: DB624
Instrument: VOAMS1.i
Operator: VOAMS 1
Column diameter: 0.53

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d

Date : 25-OCT-2005 07:46

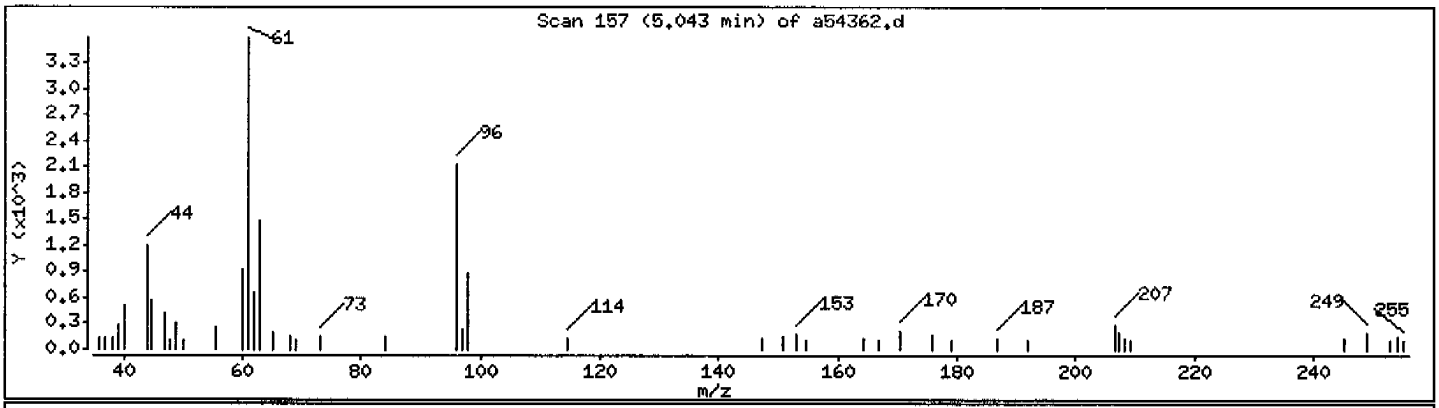
Client ID: MW15 Instrument: VOAMS1.i

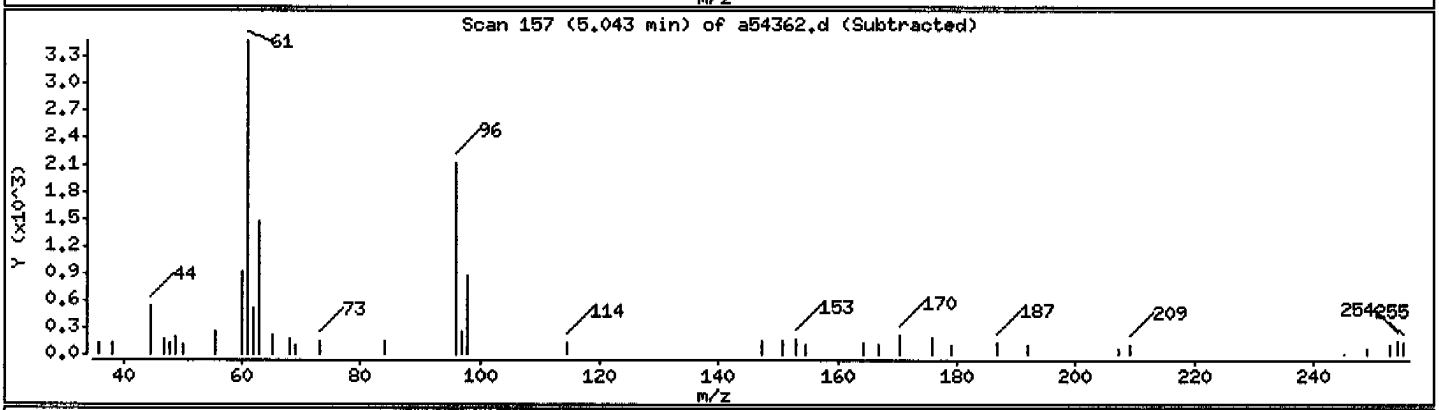
Sample Info: 679277

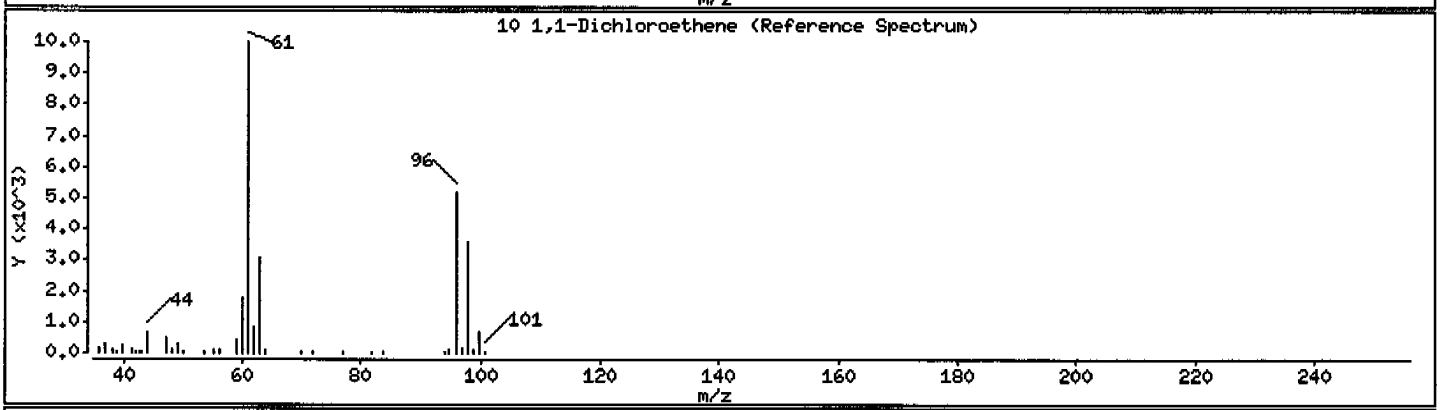
Purge Volume: 5.0 Operator: VOAMS 1

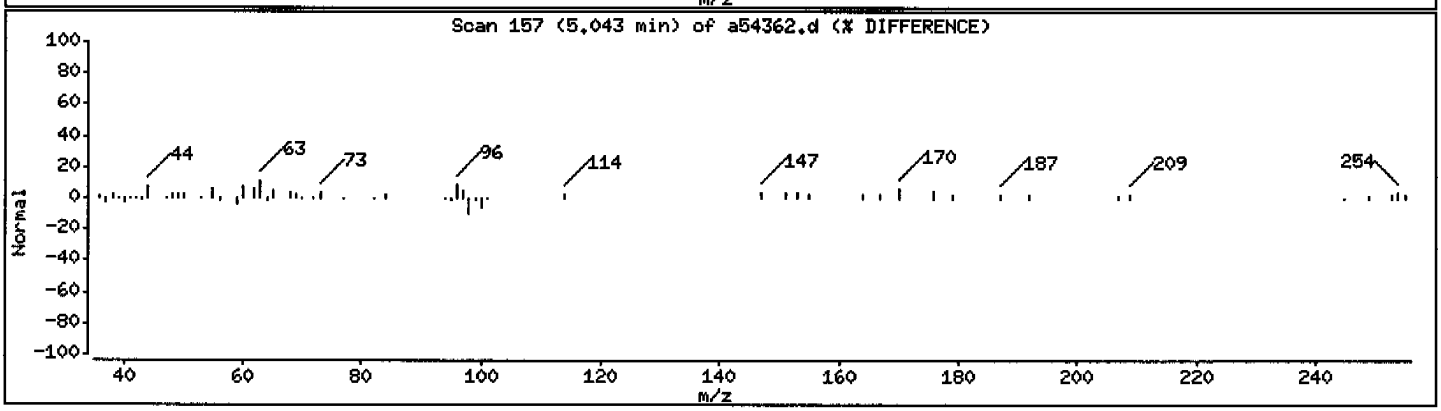
Column phase: DB624 Column diameter: 0.53

10 1,1-Dichloroethene Concentration: 2.1 ug/L









Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d

Date : 25-OCT-2005 07:46

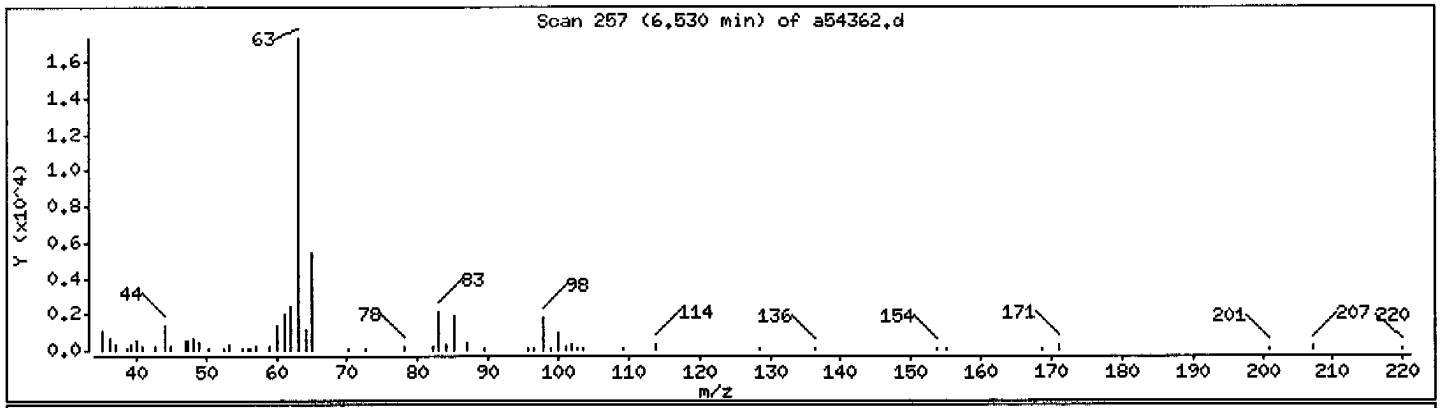
Client ID: MW15 Instrument: VOAMS1.i

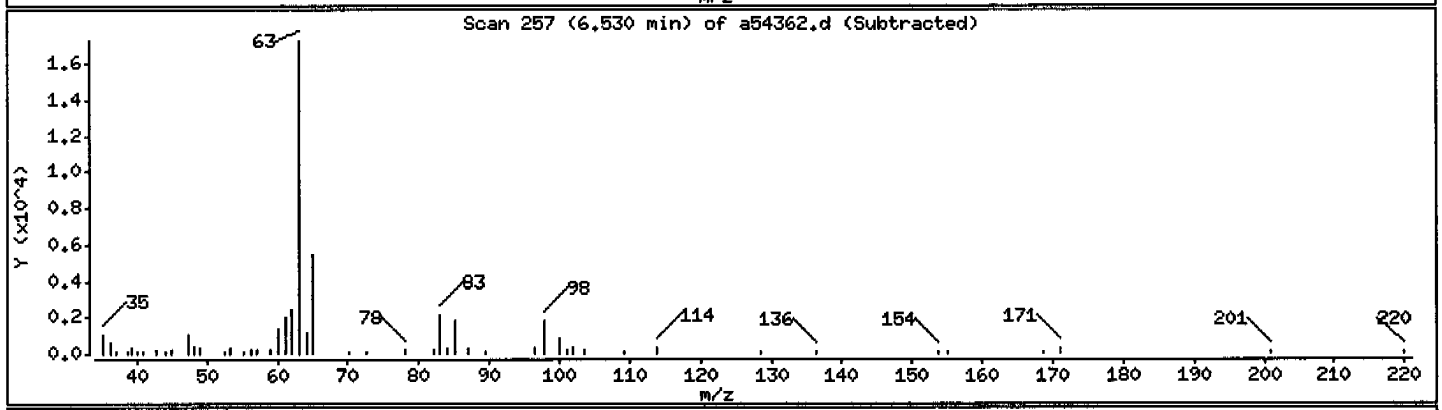
Sample Info: 679277

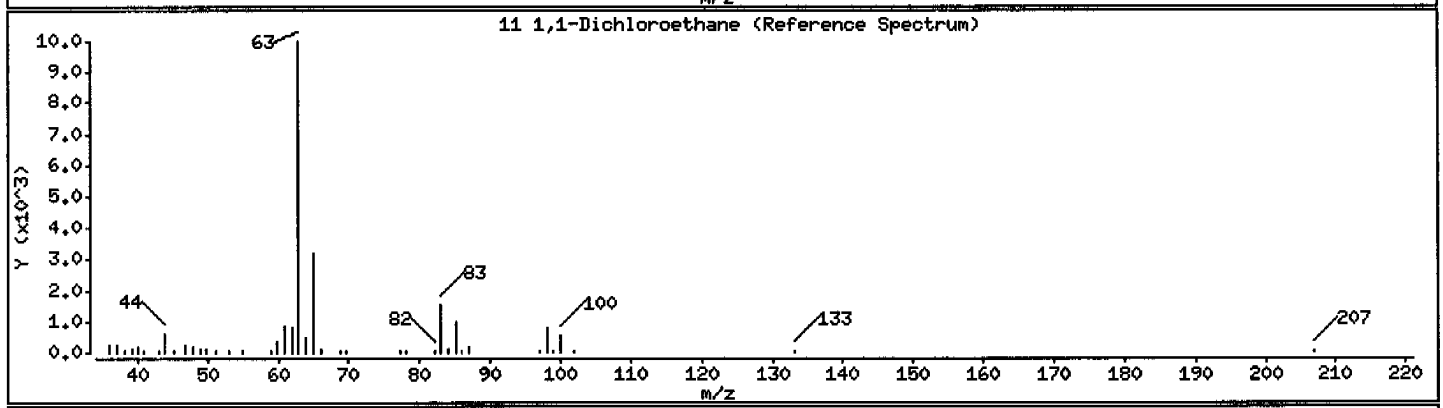
Purge Volume: 5.0 Operator: VOAMS 1

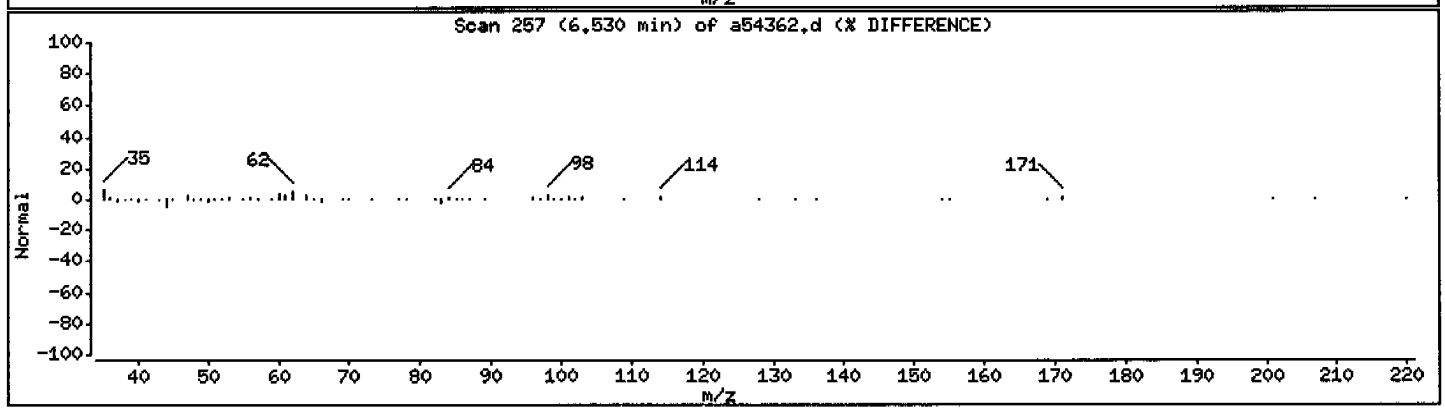
Column phase: DB624 Column diameter: 0.53

11 1,1-Dichloroethane Concentration: 11 ug/L









Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d

Date : 25-OCT-2005 07:46

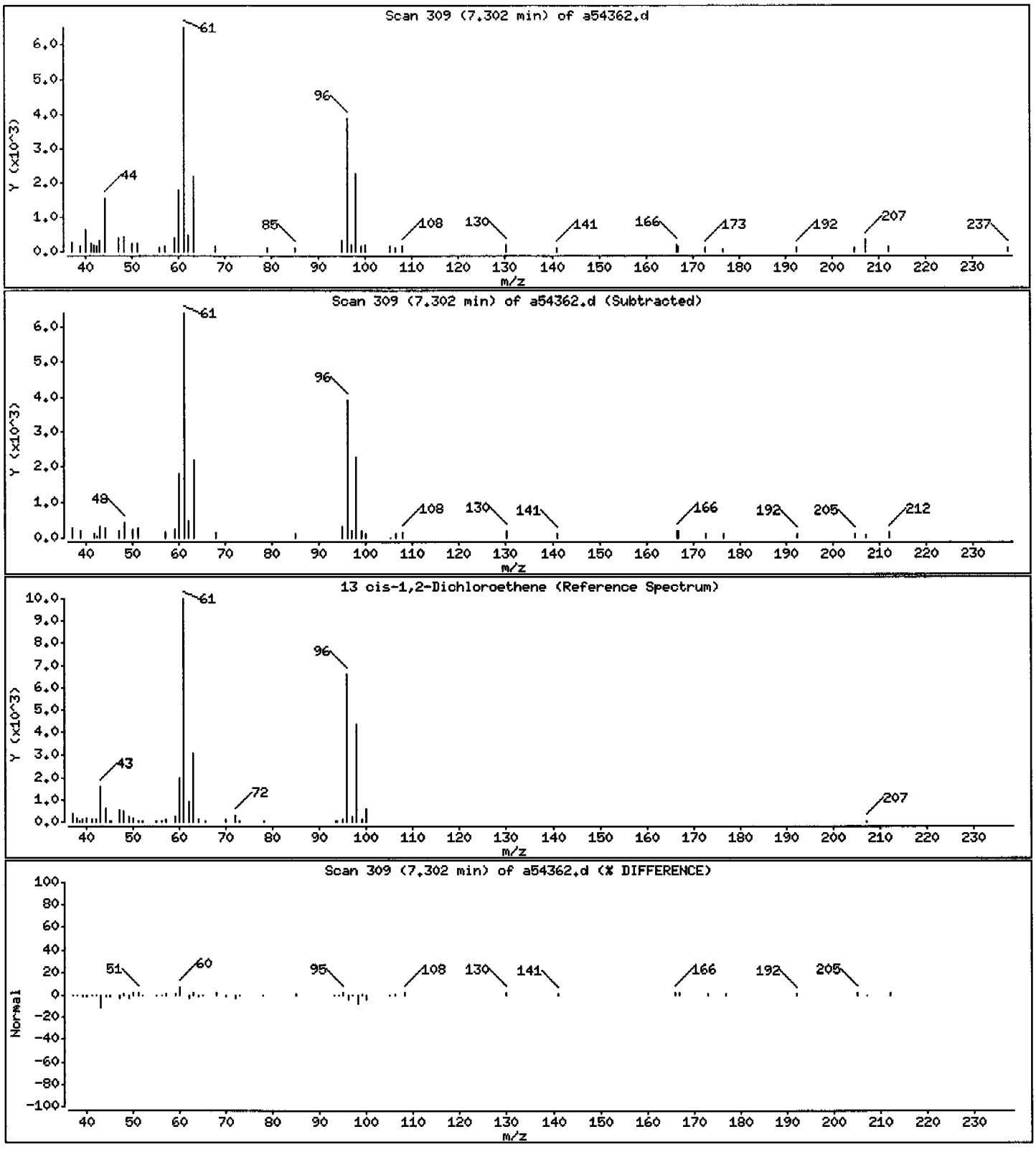
Client ID: MW15 Instrument: VOAMS1.i

Sample Info: 679277

Purge Volume: 5.0 Operator: VOAMS 1

Column phase: DB624 Column diameter: 0.53

13 cis-1,2-Dichloroethene Concentration: 3.8 ug/L



Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d

Date : 25-OCT-2005 07:46

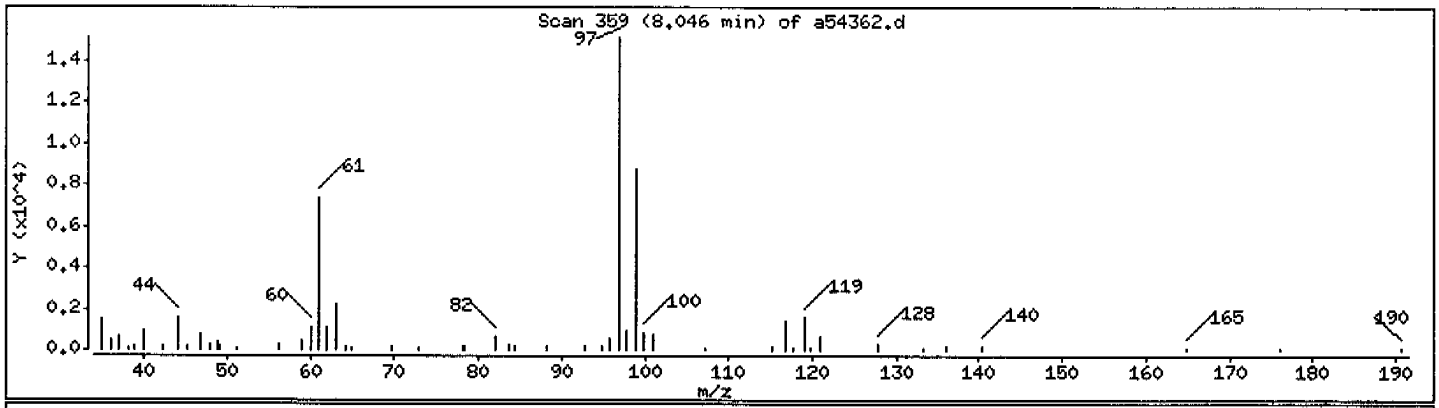
Client ID: MW15 Instrument: VOAMS1.i

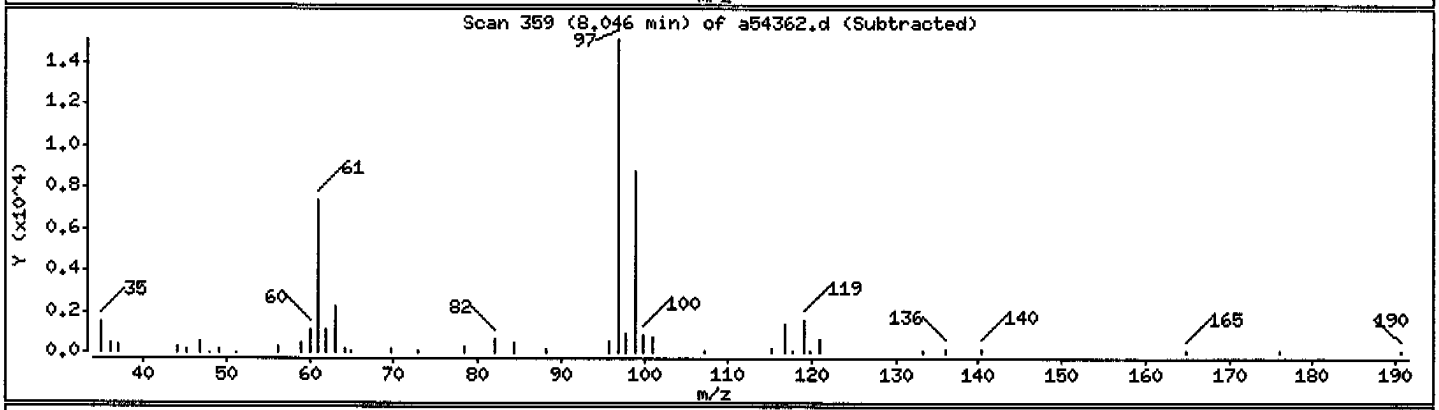
Sample Info: 679277

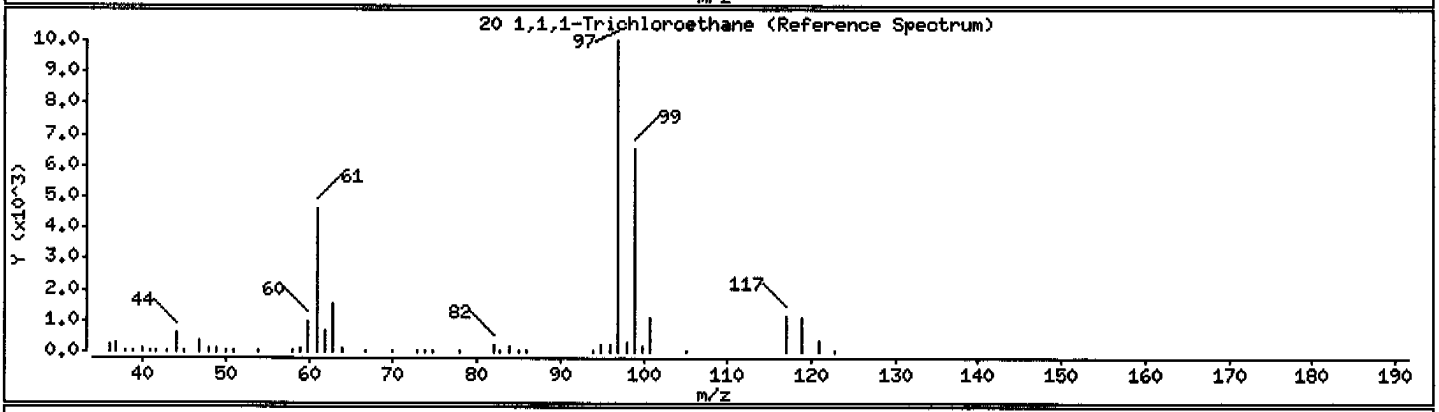
Purge Volume: 5.0 Operator: VOAMS 1

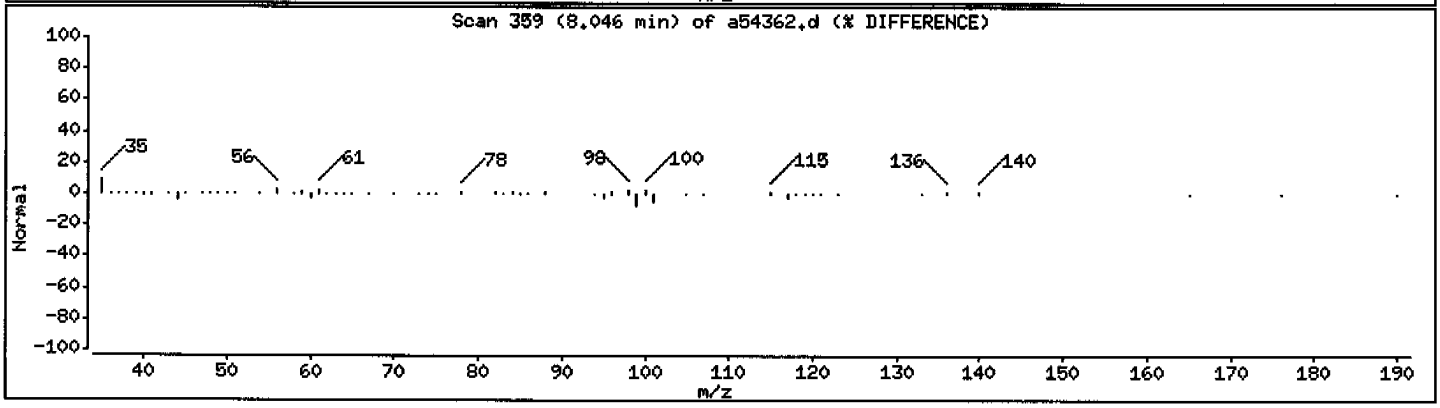
Column phase: DB624 Column diameter: 0.53

20 1,1,1-Trichloroethane Concentration: 6.4 ug/L









Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d

Date : 25-OCT-2005 07:46

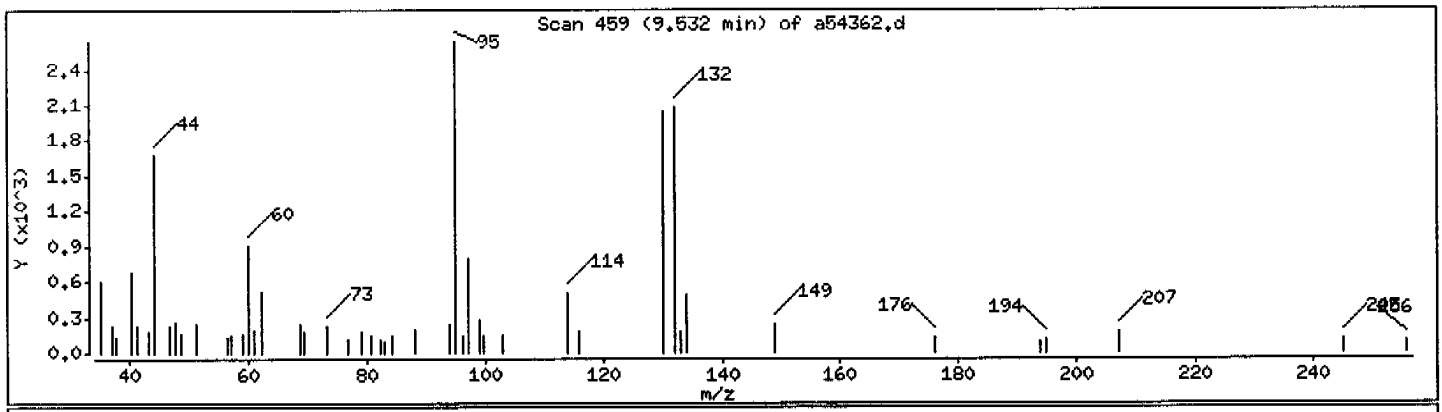
Client ID: MW15 Instrument: VOAMS1.i

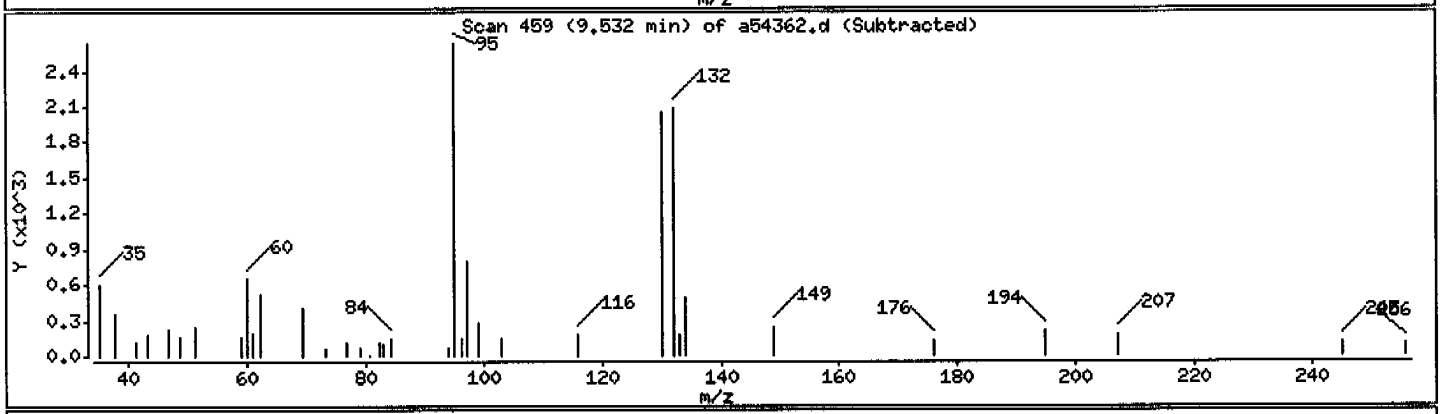
Sample Info: 679277

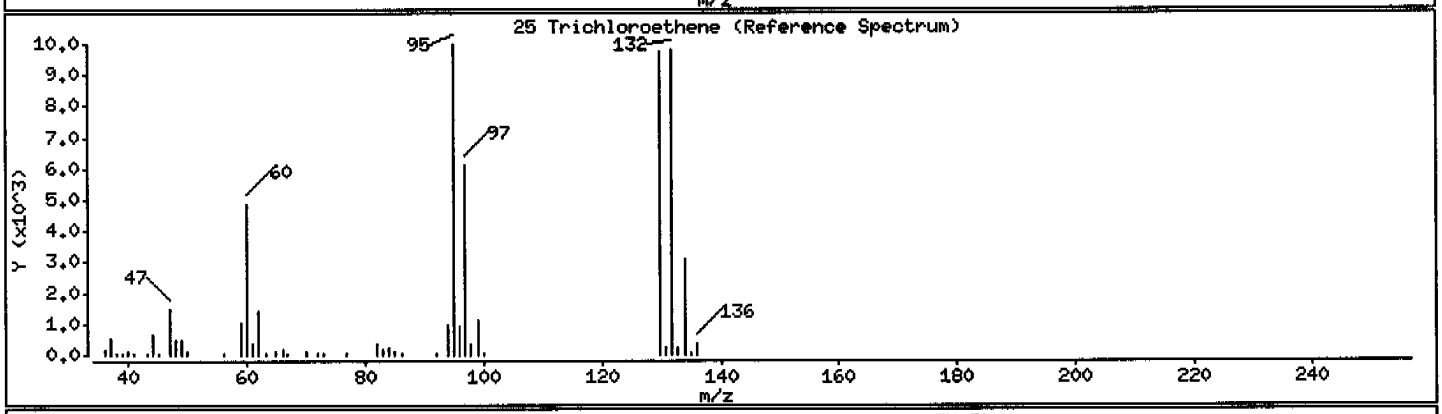
Purge Volume: 5.0 Operator: VOAMS 1

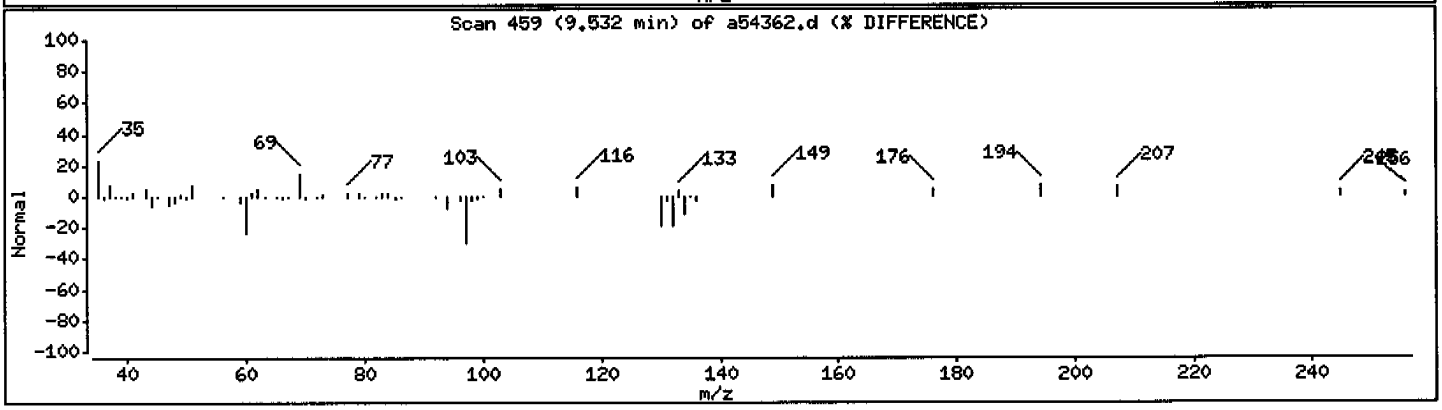
Column phase: DB624 Column diameter: 0.53

25 Trichloroethene Concentration: 1.5 ug/L









Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54362.d

Date : 25-OCT-2005 07:46

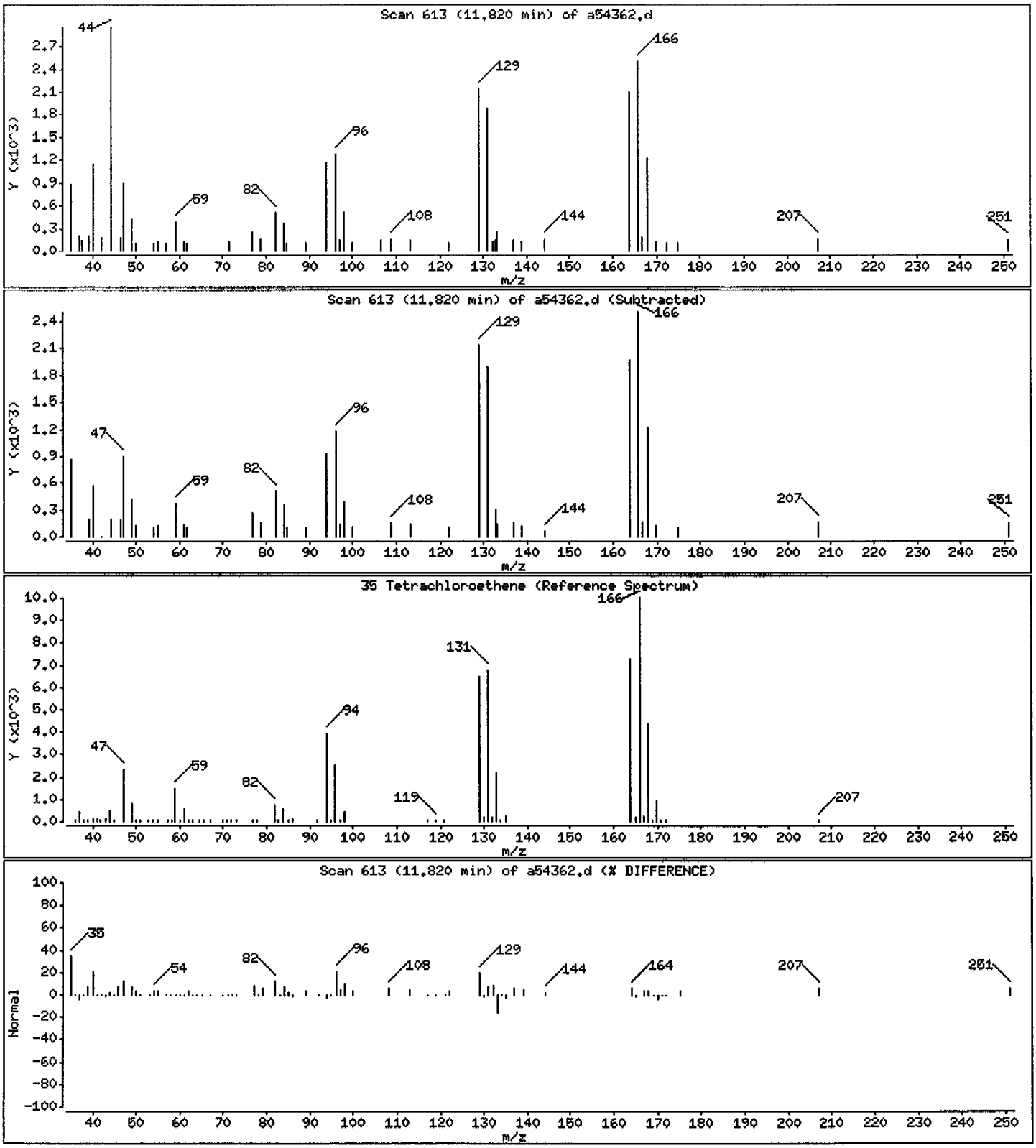
Client ID: MW15 Instrument: VOAMS1.i

Sample Info: 679277

Purge Volume: 5.0 Operator: VOAMS 1

Column phase: DB624 Column diameter: 0.53

35 Tetrachloroethene Concentration: 1.2 ug/L



Client ID: **F102005**
Site: Phillipsburg

Lab Sample No: **679278**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54369.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **F102005**
Site: Phillipsburg

Lab Sample No: **679278**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54369.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54369.d
Report Date: 26-Oct-2005 14:09

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54369.d
Lab Smp Id: 679278 Client Smp ID: F102005
Inj Date : 25-OCT-2005 11:39
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : 679278
Misc Info : H547;0025;;JT
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/25oct05.b/624_05.m
Meth Date : 26-Oct-2005 13:58 tolentin Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

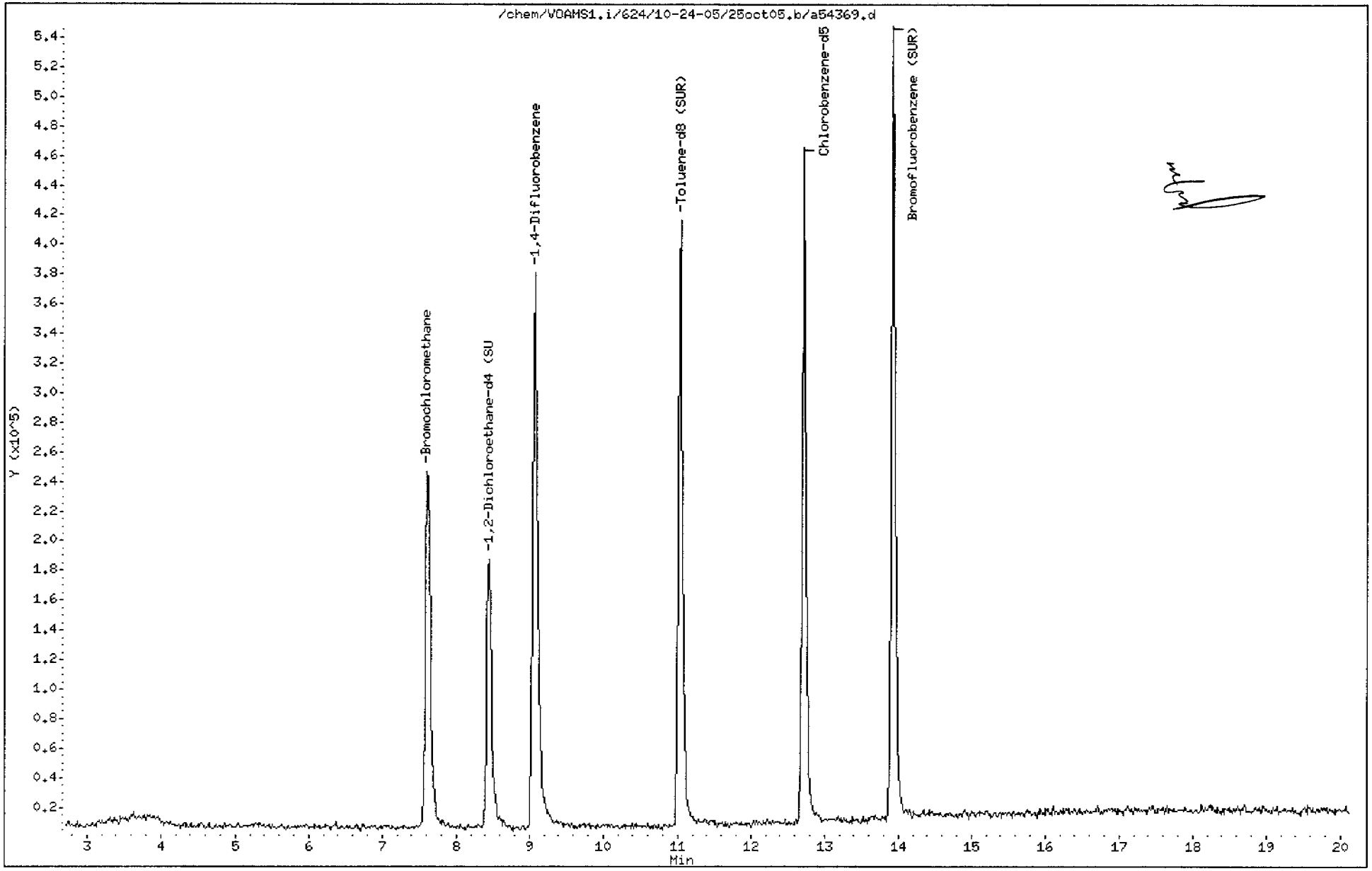
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	7.601	7.600	(1.000)	169085	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	8.448	8.447	(0.931)	35527	32.2339	32
* 19 1,4-Difluorobenzene	114	9.072	9.072	(1.000)	663396	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.034	11.033	(0.868)	534348	30.8479	31
* 32 Chlorobenzene-d5	117	12.713	12.713	(1.000)	440421	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.917	13.917	(1.095)	289245	29.7715	30

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54369.d
Date : 25-OCT-2005 11:39
Client ID: F102005
Instrument: VOAMS1.i
Sample Info: 679278
Purge Volume: 5.0
Operator: VOAMS 1
Column phase: DB624
Column diameter: 0.53



Client ID: **T102005**
Site: Phillipsburg

Lab Sample No: **679279**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54370.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **T102005**
Site: Phillipsburg

Lab Sample No: **679279**
Lab Job No: H547

Date Sampled: 10/20/05
Date Received: 10/20/05
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54370.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54370.d
Report Date: 26-Oct-2005 14:09

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54370.d
Lab Smp Id: 679279 Client Smp ID: T102005
Inj Date : 25-OCT-2005 12:08
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : 679279
Misc Info : H547;0025;;JT
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/25oct05.b/624_05.m
Meth Date : 26-Oct-2005 13:58 tolentin Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

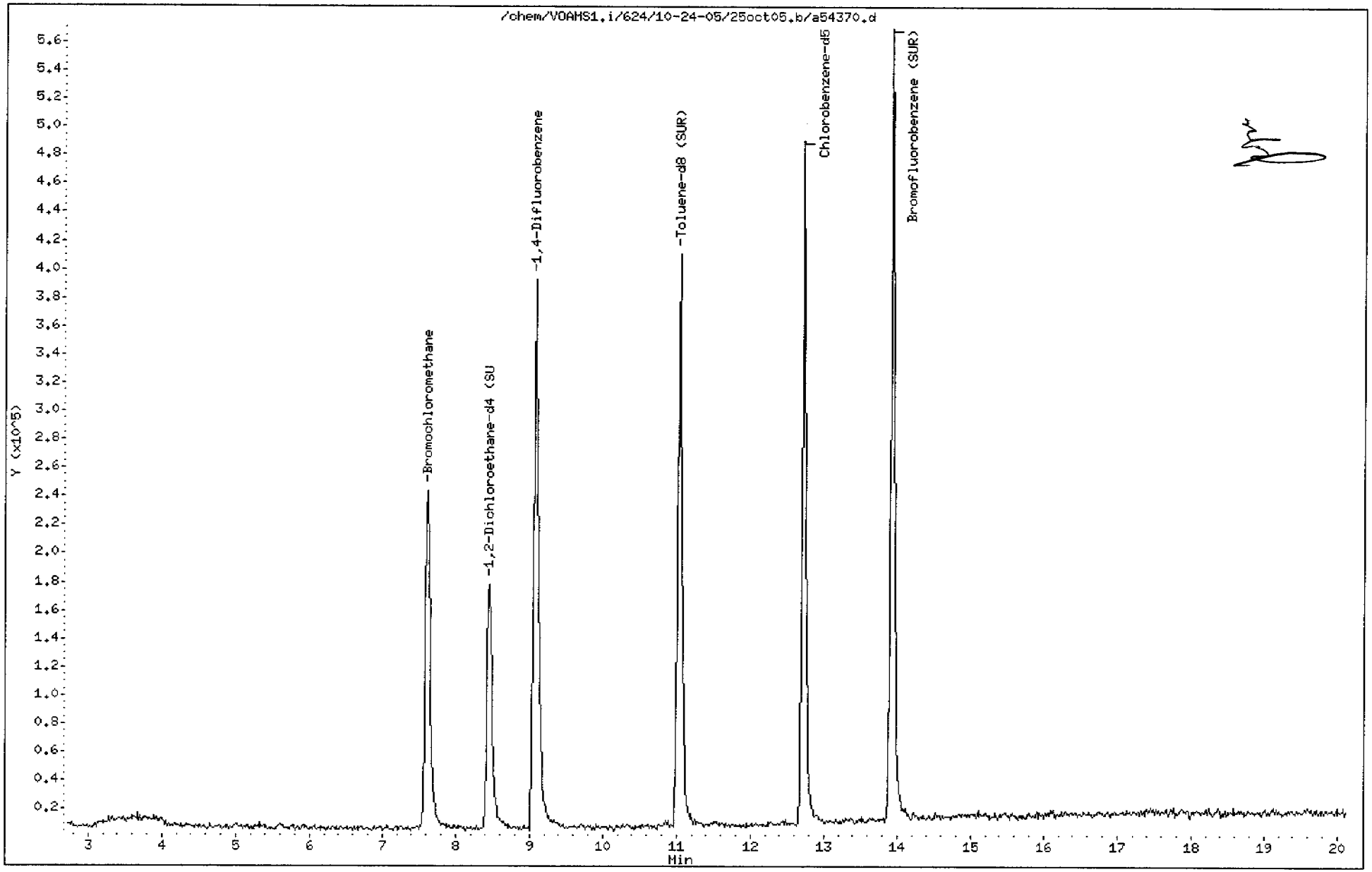
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	7.615	7.600	(1.000)	167729	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	8.433	8.447	(0.930)	32387	30.0270	30
* 19 1,4-Difluorobenzene	114	9.072	9.072	(1.000)	649212	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.033	11.033	(0.868)	531818	30.1805	30
* 32 Chlorobenzene-d5	117	12.713	12.713	(1.000)	448028	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.917	13.917	(1.095)	290846	29.4280	29

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54370.d
Date : 25-OCT-2005 12:08
Client ID: T102005
Sample Info: 679279
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS1.i

Operator: VOAMS 1
Column diameter: 0.53



STL Edison

H547

Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: A54319

BFB Injection Date: 10/24/05

Instrument ID: VOAMS1

BFB Injection Time: 1100

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.0)1
174	50.0 - 100.0% of mass 95	94.1
175	5.0 - 9.0% of mass 174	7.1 (7.6)1
176	95.0 - 101.0% of mass 174	94.7 (100.6)1
177	5.0 - 9.0% of mass 176	6.2 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD005	ASTD005	A54321	10/24/05	1206
02	ASTD010	ASTD010	A54322	10/24/05	1234
03	ASTD020	ASTD020	A54323	10/24/05	1303
04	ASTD050	ASTD050	A54324	10/24/05	1331
05	ASTD200	ASTD200	A54325	10/24/05	1359
06	AV297B	AV297B	A54354	10/25/05	0402
07	RW13	679273	A54358	10/25/05	0554
08	F101905	679274	A54359	10/25/05	0622
09	MW01	679275	A54360	10/25/05	0650
10	MW01P	679276	A54361	10/25/05	0718
11	MW15	679277	A54362	10/25/05	0746
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54319.d

Date : 24-OCT-2005 11:00

Client ID: ABFB297

Instrument: VOAMS1.i

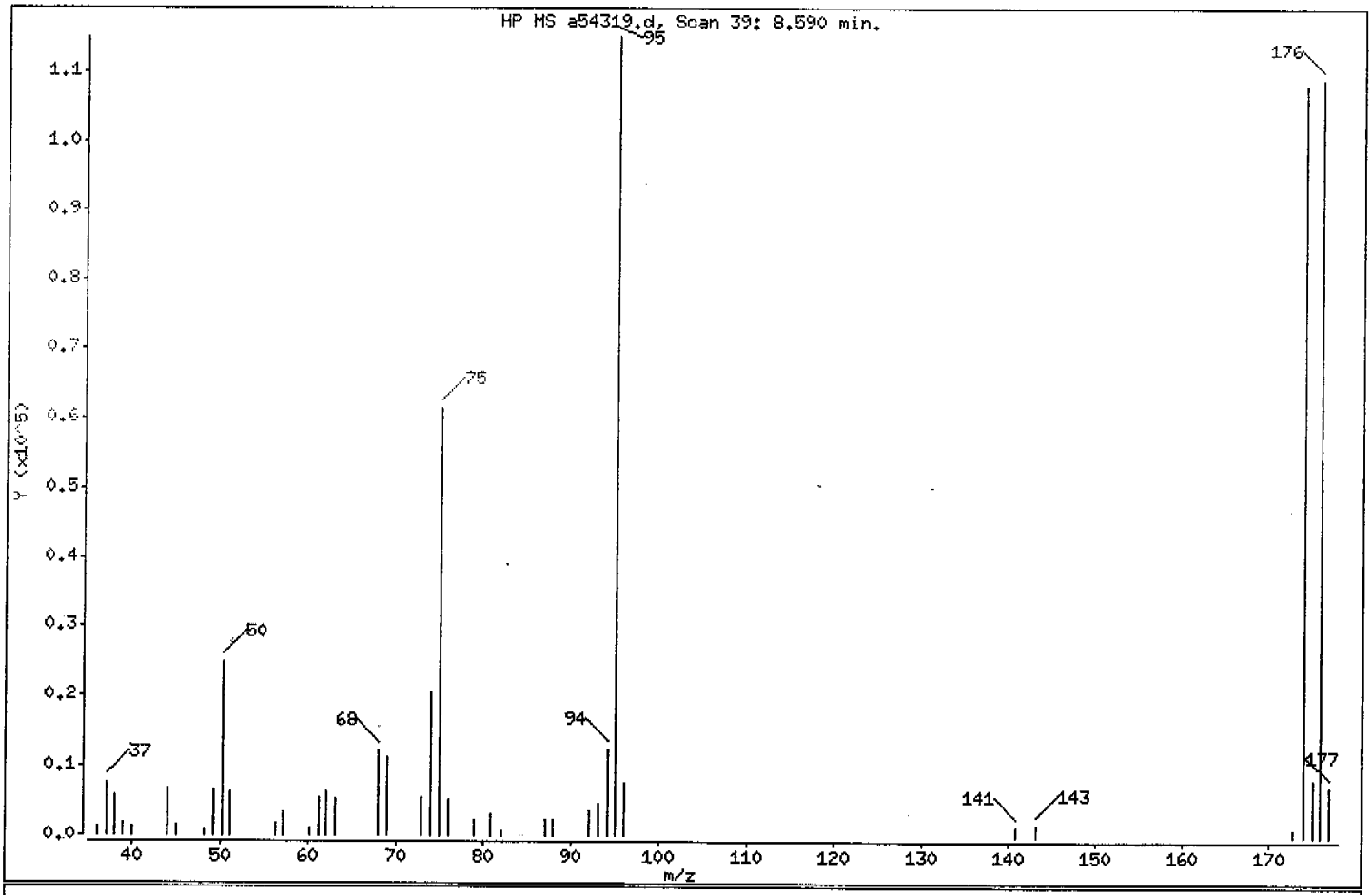
Sample Info: ABFB297 50NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.72
75	30.00 - 60.00% of mass 95	53.44
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.94 (0.99)
174	50.00 - 100.00% of mass 95	94.13
175	5.00 - 9.00% of mass 174	7.11 (7.56)
176	95.00 - 101.00% of mass 174	94.68 (100.59)
177	5.00 - 9.00% of mass 176	6.23 (6.58)

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54319.d

Date : 24-OCT-2005 11:00

Client ID: ABFB297

Instrument: VOAMS1.i

Sample Info: ABFB297 50NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: a54319.d

Spectrum: HP MS a54319.d, Scan 39: 8.590 min.

Location of Maximum: 95.05

Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.05	1285	56.10	1771	76.05	5164	140.85	1324
37.05	7708	57.10	3449	78.95	2350	143.05	1708
38.05	5734	60.10	1139	80.95	3106	172.80	1075
39.05	1749	61.10	5497	82.05	802	173.90	108208
39.95	1380	62.10	6240	87.05	2262	174.90	8179
44.05	6777	63.10	5333	87.95	2324	175.90	108848
45.05	1708	68.00	12113	92.05	3644	176.90	7165
48.15	867	69.00	11408	93.05	4665		
49.05	6652	73.00	5680	94.05	12428		
50.10	24968	74.00	20568	95.05	114960		
51.10	6334	75.00	61440	96.05	7772		

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54319.d

Date : 24-OCT-2005 11:00

Client ID: ABFB297

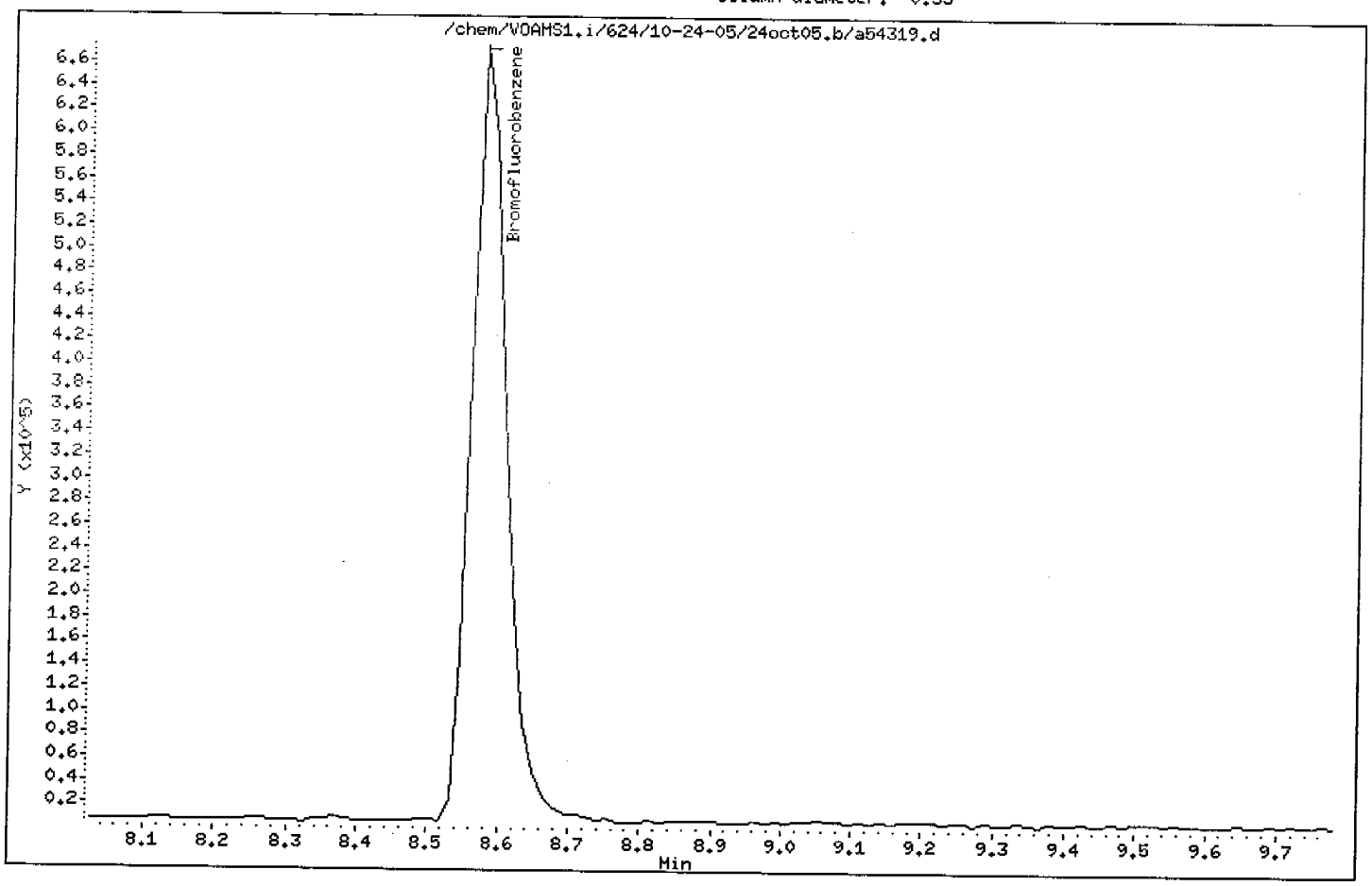
Instrument: VOAMS1.i

Sample Info: ABFB297 50NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: A54363

BFB Injection Date: 10/25/05

Instrument ID: VOAMS1

BFB Injection Time: 0813

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.9
75	30.0 - 60.0% of mass 95	55.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	92.4
175	5.0 - 9.0% of mass 174	5.9 (6.4)1
176	95.0 - 101.0% of mass 174	91.6 (99.1)1
177	5.0 - 9.0% of mass 176	5.5 (6.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD298	ASTD298	A54364	10/25/05	0845
02	AV298A	AV298A	A54367	10/25/05	1029
03	F102005	679278	A54369	10/25/05	1139
04	T102005	679279	A54370	10/25/05	1208
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54363.d

Date : 25-OCT-2005 08:13

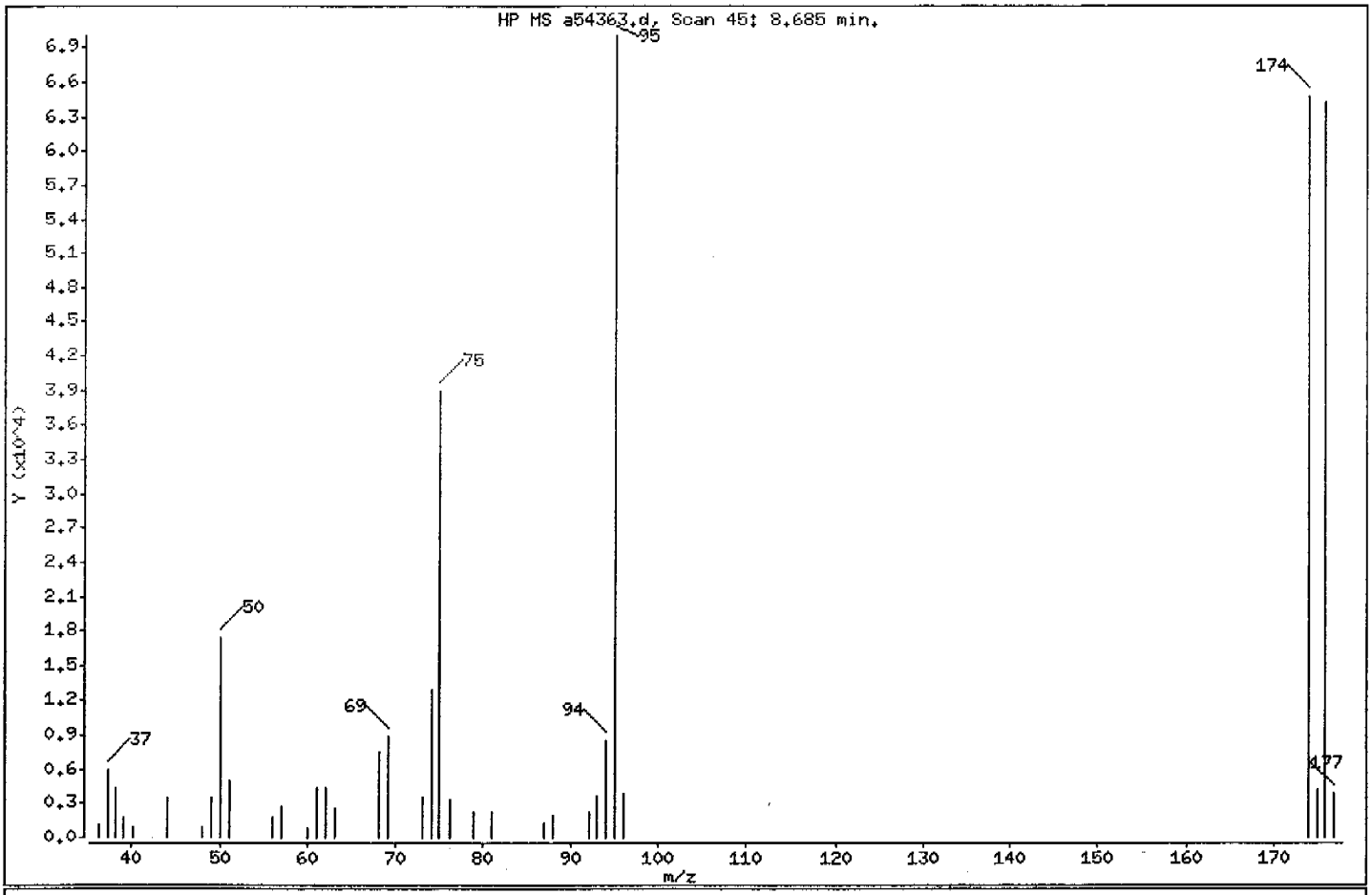
Client ID: ABFB298 Instrument: VOAMS1.i

Sample Info: ABFB298 50NG

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.88
75	30.00 - 60.00% of mass 95	55.73
96	5.00 - 9.00% of mass 95	5.42
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	92.40
175	5.00 - 9.00% of mass 174	5.90 (6.39)
176	95.00 - 101.00% of mass 174	91.62 (99.15)
177	5.00 - 9.00% of mass 176	5.47 (5.97)

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54363.d

Date : 25-OCT-2005 08:13

Client ID: ABFB298 Instrument: VOAMS1.i

Sample Info: ABFB298 50NG

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

Data File: a54363.d
Spectrum: HP MS a54363.d, Scan 45: 8.685 min.
Location of Maximum: 95.05
Number of points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.15	1103	51.10	4969	73.00	3492	92.95	3639
37.15	5918	56.10	1784	74.00	12901	94.05	8521
38.05	4281	57.10	2662	75.00	39032	95.05	70032
39.05	1721	60.00	838	76.15	3436	96.05	3793
40.05	975	61.10	4325	78.95	2214	173.90	64712
44.05	3617	62.10	4360	80.95	2258	175.00	4132
48.05	911	63.10	2652	86.95	1265	175.90	64160
49.05	3600	68.00	7521	87.95	1852	176.90	3832
50.10	17424	69.10	8799	92.05	2270		

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54363.d

Date : 25-OCT-2005 08:13

Client ID: ABFB298

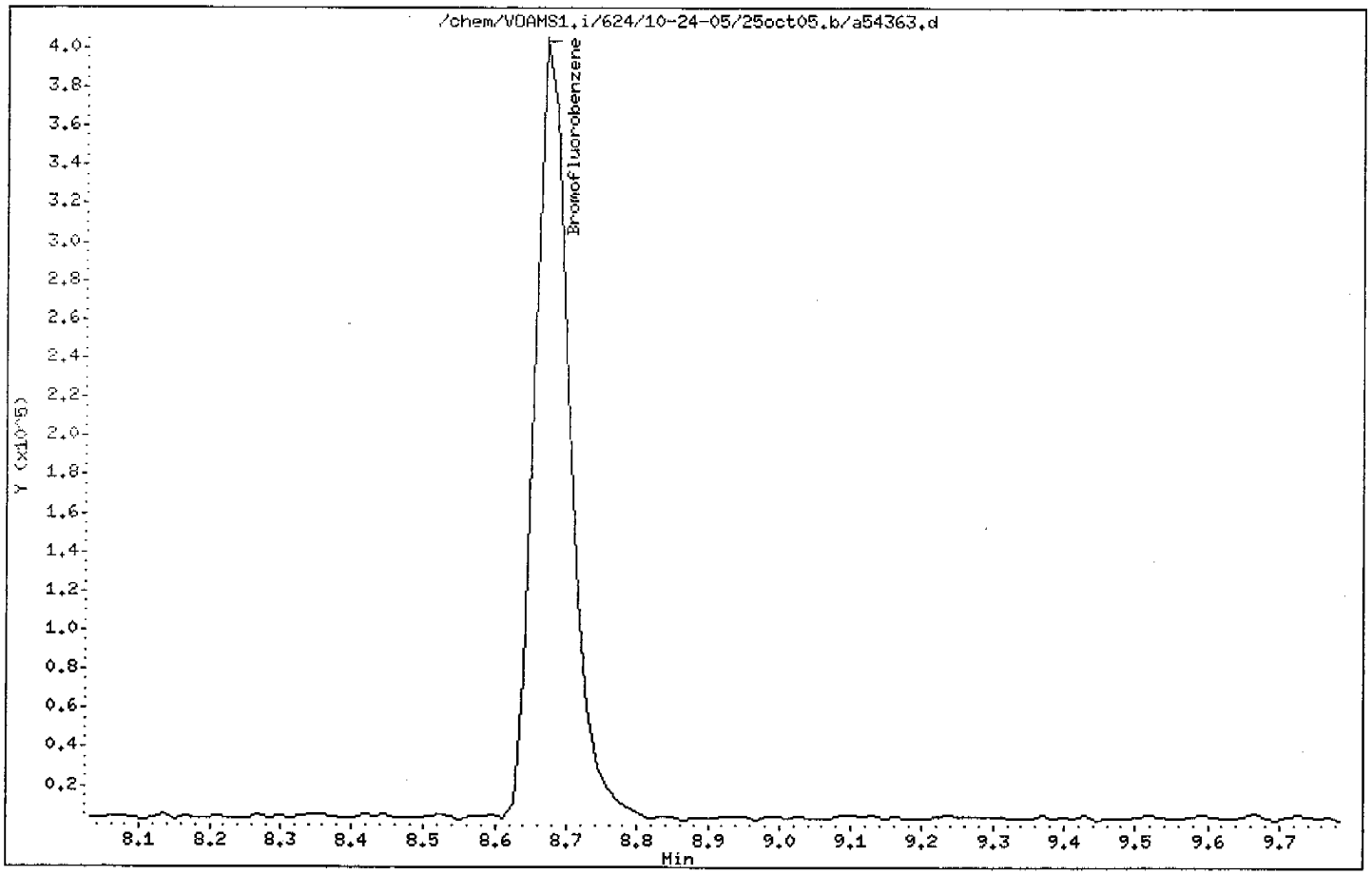
Instrument: VOAMS1.i

Sample Info: ABFB298 50NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

AV297B

Matrix: WATER

Level: LOW

Lab File ID: A54354

Instrument ID: VOAMS1

Date Analyzed: 10/25/05

Time Analyzed: 0402

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	RW13	679273	A54358	0554
02	F101905	679274	A54359	0622
03	MW01	679275	A54360	0650
04	MW01P	679276	A54361	0718
05	MW15	679277	A54362	0746
06				
07				
08				
09				
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COMMENTS:

Client ID: **AV297B**
Site:

Lab Sample No: **AV297B**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54354.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Acetone	ND	1.3
Carbon Disulfide	ND	0.3
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	0.9
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
4-Methyl-2-Pentanone	ND	0.5
2-Hexanone	ND	0.5
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5

Client ID: **AV297B**
Site:

Lab Sample No: **AV297B**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54354.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Styrene	ND	0.4
Xylene (Total)	ND	0.4
Ethyl Ether	ND	0.2
Acrolein	ND	4.6
Freon TF	ND	0.4
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	4.4
Acrylonitrile	ND	1.8
MTBE	ND	0.2
Hexane	ND	0.4
DIPE	ND	0.3
Ethyl Acetate	ND	0.7
Vinyl Acetate	ND	0.3
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	0.3
Isobutanol	ND	500
Isopropyl Acetate	ND	0.4
n-Heptane	ND	1.0
n-Butanol	ND	48
Propyl Acetate	ND	0.5
Butyl Acetate	ND	0.4
1,2-Dibromoethane	ND	0.4
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.4
Naphthalene	ND	0.4
Methylnaphthalene (total)	ND	1.0
Dimethylnaphthalene (total)	ND	1.0
Dichlorodifluoromethane	ND	0.5
1,4-Dioxane	ND	56
n-Pentane	ND	0.4
5-Methyl-2-Hexanone	ND	5.0
Isopropylbenzene	ND	0.5

Client ID: **AV297B**
Site:

Lab Sample No: **AV297B**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54354.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
1,2,4-Trimethylbenzene	ND	0.4
Cyclohexanone	ND	100
1,2,4-Trichlorobenzene	ND	0.4
Methyl Methacrylate	ND	0.7
Allyl Alcohol	ND	1000
Epichlorohydrin	ND	4.8
Allyl Chloride	ND	5.0
Benzyl Chloride	ND	0.4
Isoprene	ND	0.4
1,1,1,2-Tetrachloroethane	ND	0.4
Camphene (total)	ND	20
Camphor	ND	20
1,3,5-Trimethylbenzene	ND	0.4
1,2,3-Trichlorobenzene	ND	0.3
n-Butylbenzene	ND	0.3
sec-Butylbenzene	ND	0.4
tert-Butylbenzene	ND	0.4
p-Isopropyltoluene	ND	0.4
n-Propylbenzene	ND	0.4
m+p-Ethyltoluene	ND	1.0
o-Ethyltoluene	ND	1.0
Methyl Acetate	ND	0.3
Methyl cyclohexane	ND	0.3
1,2-Dibromo-3-chloropropane	ND	0.3
Cyclohexene	ND	1.0
1,2-Dichlorotrifluoroethane	ND	1.0
n-Propanol	ND	500
3-Methyl-1-Pentyn-3-ol	ND	250
Propylene Oxide	ND	50
Ethanol	ND	500
Chlorotrifluoroethane	ND	1.0
Dichlorofluoromethane	ND	1.0
Ethylene Oxide	ND	500
Methyl Formate	ND	500

Client ID: **AV297B**
Site:

Lab Sample No: **AV297B**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54354.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Isobutyraldehyde	ND	5.0
Amyl Acetate	ND	0.3
1,2,3-Trichloropropane	ND	0.5
Chlorodifluoromethane	ND	1.0
1,3-Dichloropropane	ND	0.4
Dibromomethane	ND	0.3
1-Propene	ND	0.4
2-Chloropropane	ND	0.3
1-Chloropropane	ND	0.3
tert-Amymethyl Ether	ND	5.0

Client ID: **AV297B**
Site:

Lab Sample No: **AV297B**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54354.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54354.d
Report Date: 25-Oct-2005 14:37

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

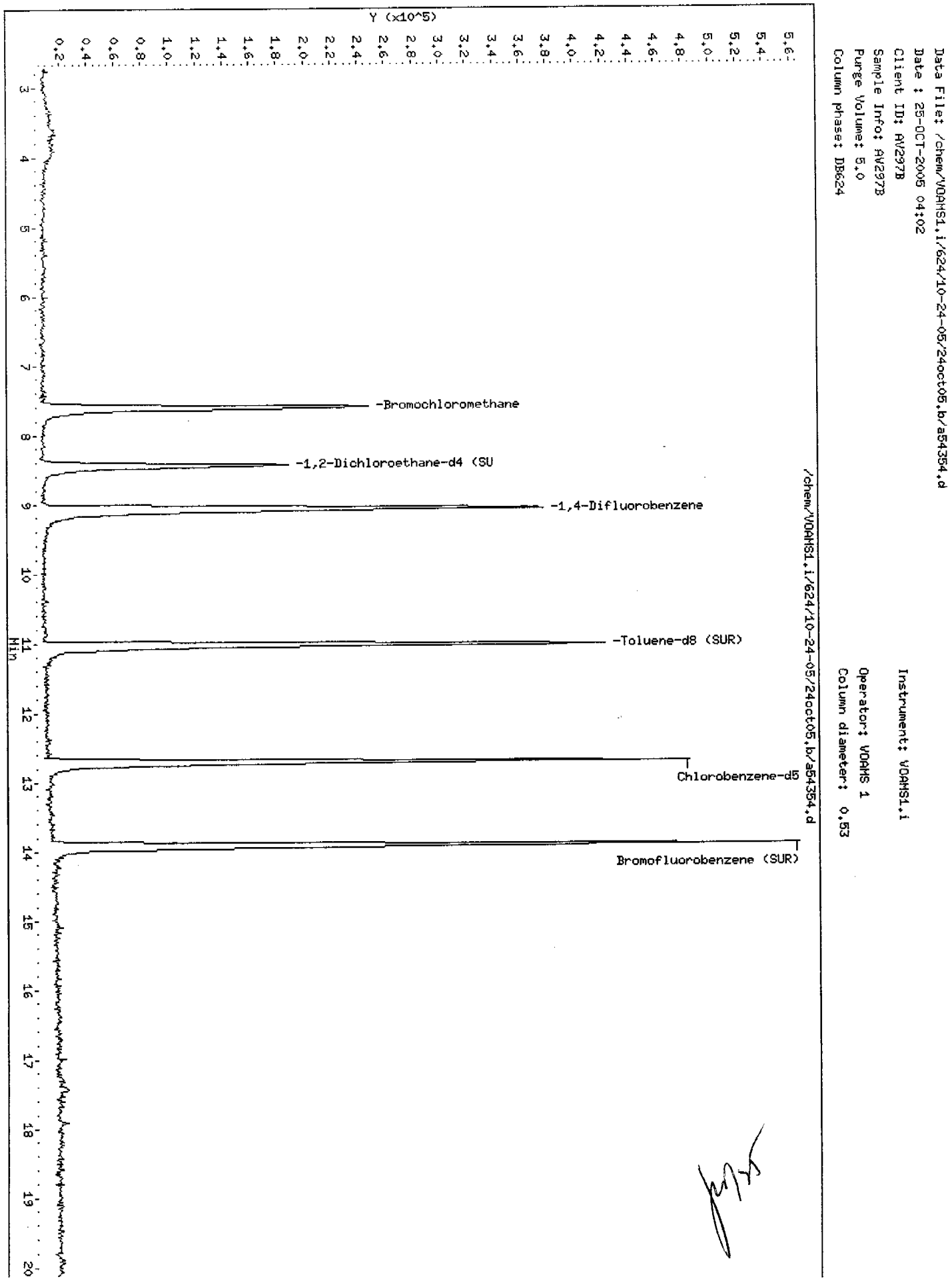
Data file : /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54354.d
Lab Smp Id: AV297B Client Smp ID: AV297B
Inj Date : 25-OCT-2005 04:02
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : AV297B
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/24oct05.b/624_05.m
Meth Date : 25-Oct-2005 14:35 tolentin Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 26 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	7.604	7.531	(1.000)	167679	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	8.436	8.364	(0.930)	33248	30.4244	30
* 19 1,4-Difluorobenzene	114	9.075	9.003	(1.000)	657765	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.022	10.964	(0.868)	551818	31.1498	31
* 32 Chlorobenzene-d5	117	12.701	12.644	(1.000)	450411	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.905	13.848	(1.095)	295671	29.7579	30


Data File: /chem/VOAMS1.i/624/10-24-05/24oct05.b/a54354.d
Date : 25-OCT-2005 04:02
Client ID: AV297B
Sample Info: AV297B
Purge Volume: 5.0
Column phase: DB624
Instrument: VOAMS1.i
Operator: VOAMS 1
Column diameter: 0.53
Y (x10^5)
-Bromochloromethane
-1,2-Dichloroethane-d4 (SU
-1,4-Difluorobenzene
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
/chem/VOAMS1.i/624/10-24-05/24oct05.b/a54354.d
Min

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

AV298A

Matrix: WATER

Level: LOW

Lab File ID: A54367

Instrument ID: VOAMS1

Date Analyzed: 10/25/05

Time Analyzed: 1029

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	F102005	679278	A54369	1139
02	T102005	679279	A54370	1208
03				
04				
05				
06				
07				
08				
09				
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COMMENTS:

Client ID: **AV298A**
Site:

Lab Sample No: **AV298A**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54367.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Acetone	ND	1.3
Carbon Disulfide	ND	0.3
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	0.9
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
4-Methyl-2-Pentanone	ND	0.5
2-Hexanone	ND	0.5
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5

Client ID: **AV298A**
Site:

Lab Sample No: **AV298A**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54367.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Styrene	ND	0.4
Xylene (Total)	ND	0.4
Ethyl Ether	ND	0.2
Acrolein	ND	4.6
Freon TF	ND	0.4
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	4.4
Acrylonitrile	ND	1.8
MTBE	ND	0.2
Hexane	ND	0.4
DIPE	ND	0.3
Ethyl Acetate	ND	0.7
Vinyl Acetate	ND	0.3
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	0.3
Isobutanol	ND	500
Isopropyl Acetate	ND	0.4
n-Heptane	ND	1.0
n-Butanol	ND	48
Propyl Acetate	ND	0.5
Butyl Acetate	ND	0.4
1,2-Dibromoethane	ND	0.4
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.4
Naphthalene	ND	0.4
Methylnaphthalene (total)	ND	1.0
Dimethylnaphthalene (total)	ND	1.0
Dichlorodifluoromethane	ND	0.5
1,4-Dioxane	ND	56
n-Pentane	ND	0.4
5-Methyl-2-Hexanone	ND	5.0
Isopropylbenzene	ND	0.5

Client ID: **AV298A**
Site:

Lab Sample No: **AV298A**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54367.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
1,2,4-Trimethylbenzene	ND	0.4
Cyclohexanone	ND	100
1,2,4-Trichlorobenzene	ND	0.4
Methyl Methacrylate	ND	0.7
Allyl Alcohol	ND	1000
Epichlorohydrin	ND	4.8
Allyl Chloride	ND	5.0
Benzyl Chloride	ND	0.4
Isoprene	ND	0.4
1,1,1,2-Tetrachloroethane	ND	0.4
Camphene (total)	ND	20
Camphor	ND	20
1,3,5-Trimethylbenzene	ND	0.4
1,2,3-Trichlorobenzene	ND	0.3
n-Butylbenzene	ND	0.3
sec-Butylbenzene	ND	0.4
tert-Butylbenzene	ND	0.4
p-Isopropyltoluene	ND	0.4
n-Propylbenzene	ND	0.4
m+p-Ethyltoluene	ND	1.0
o-Ethyltoluene	ND	1.0
Methyl Acetate	ND	0.3
Methyl cyclohexane	ND	0.3
1,2-Dibromo-3-chloropropane	ND	0.3
Cyclohexene	ND	1.0
1,2-Dichlorotrifluoroethane	ND	1.0
n-Propanol	ND	500
3-Methyl-1-Pentyn-3-ol	ND	250
Propylene Oxide	ND	50
Ethanol	ND	500
Chlorotrifluoroethane	ND	1.0
Dichlorofluoromethane	ND	1.0
Ethylene Oxide	ND	500
Methyl Formate	ND	500

Client ID: **AV298A**
Site:

Lab Sample No: **AV298A**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54367.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Isobutyraldehyde	ND	5.0
Amyl Acetate	ND	0.3
1,2,3-Trichloropropane	ND	0.5
Chlorodifluoromethane	ND	1.0
1,3-Dichloropropane	ND	0.4
Dibromomethane	ND	0.3
1-Propene	ND	0.4
2-Chloropropane	ND	0.3
1-Chloropropane	ND	0.3
tert-Amymethyl Ether	ND	5.0

Client ID: **AV298A**
Site:

Lab Sample No: **AV298A**
Lab Job No: H547

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/25/05
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a54367.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54367.d
Report Date: 26-Oct-2005 14:09

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

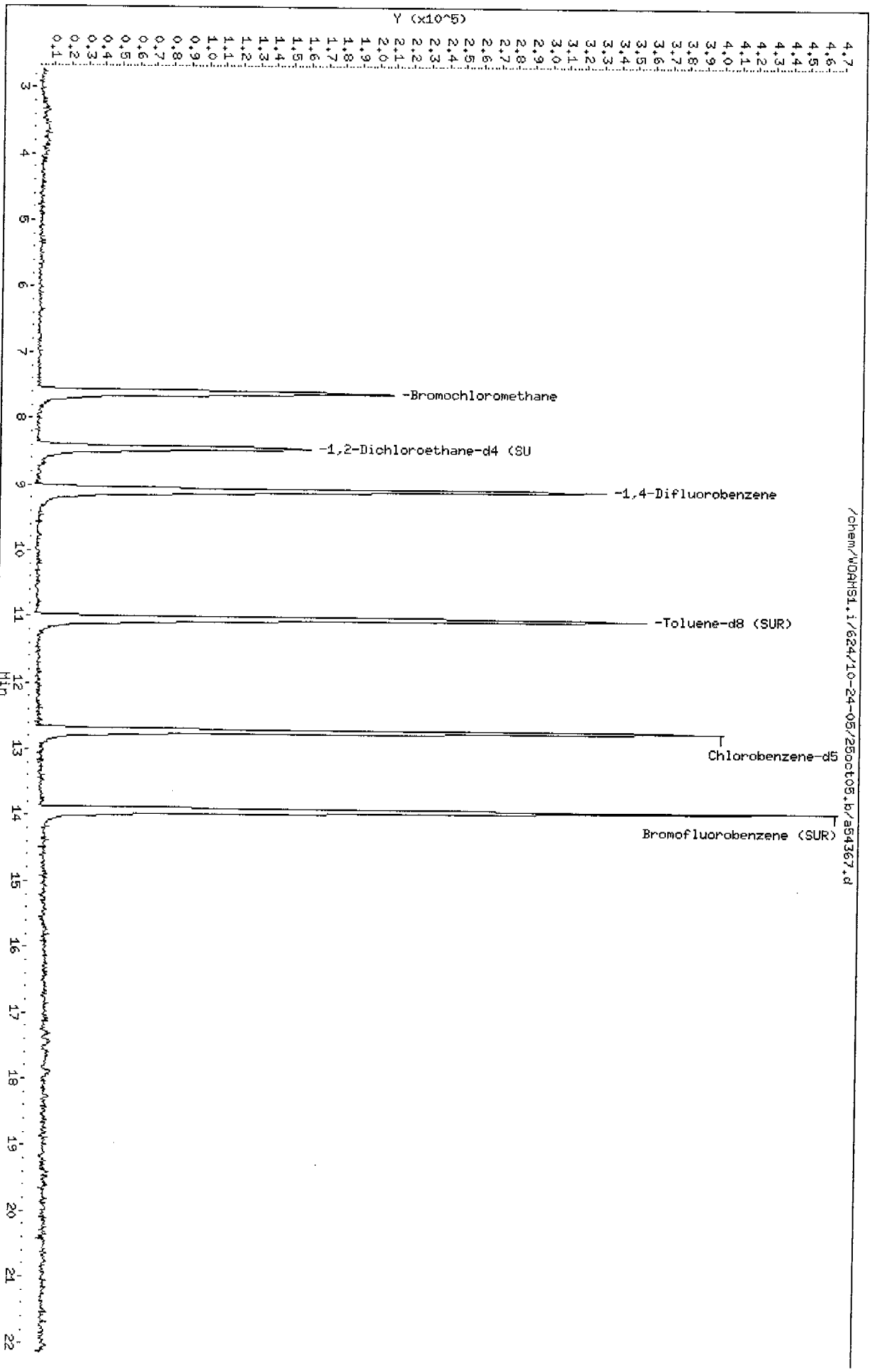
Data file : /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54367.d
Lab Smp Id: AV298A Client Smp ID: AV298A
Inj Date : 25-OCT-2005 10:29
Operator : VOAMS 1 Inst ID: VOAMS1.i
Smp Info : AV298A
Misc Info :
Comment :
Method : /chem/VOAMS1.i/624/10-24-05/25oct05.b/624_05.m
Meth Date : 26-Oct-2005 13:58 tolentin Quant Type: ISTD
Cal Date : 24-OCT-2005 13:59 Cal File: a54325.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	7.614	7.600	(1.000)	146834	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	8.447	8.447	(0.931)	28526	29.7052	30
* 19 1,4-Difluorobenzene	114	9.071	9.072	(1.000)	578010	30.0000	
$ 37 Toluene-d8 (SUR)	98	11.033	11.033	(0.868)	466316	30.7262	31
* 32 Chlorobenzene-d5	117	12.712	12.713	(1.000)	385870	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	13.916	13.917	(1.095)	237327	27.8810	28


Data File: /chem/VOAMS1.i/624/10-24-05/25oct05.b/a54367.d
Date : 25-OCT-2005 10:29
Client ID: AV298A
Sample Info: AV298A
Purge Volume: 5.0
Column phase: DB624
Instrument: VOAMS1.i
Operator: VOAMS 1
Column diameter: 0.53
Y (x10^5)
-Bromochloromethane
-1,2-Dichloroethane-d4 (SU
-1,4-Difluorobenzene
-Toluene-d8 (SUR)
Chlorobenzene-d5
Bromofluorobenzene (SUR)
/chem/VOAMS1.i/624/10-24-05/25oct05.b/a54367.d
Min

Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 624

Instrument ID: VOAMS1 Calibration Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Calibration Time(s): 1138 1359

LAB FILE ID: RRF5: A54321 RRF10: A54322 RRF20: A54323
RRF50: A54324 RRF200: A54325

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Chloromethane	0.499	0.439	0.443	0.399	0.388
Bromomethane	1.139	1.016	1.055	0.986	0.995
Vinyl Chloride	0.672	0.710	0.631	0.601	0.610
Chloroethane	0.484	0.509	0.459	0.456	0.417
Methylene Chloride	0.912	0.827	0.777	0.772	0.836
Acetone	0.102	0.073	0.121	0.161	0.165
Carbon Disulfide	1.984	2.081	1.728	1.871	1.916
Trichlorofluoromethane	3.629	3.567	3.567	3.197	3.219
1,1-Dichloroethene	0.893	0.886	0.776	0.740	0.814
1,1-Dichloroethane	1.646	1.667	1.574	1.594	1.649
trans-1,2-Dichloroethene	0.910	0.931	0.861	0.896	0.929
cis-1,2-Dichloroethene	1.005	0.972	0.919	0.886	0.996
Chloroform	2.767	2.819	2.557	2.392	2.453
1,2-Dichloroethane	0.494	0.449	0.442	0.438	0.488
2-Butanone	0.069	0.076	0.060	0.058	0.067
1,1,1-Trichloroethane	2.390	2.467	2.256	2.258	2.350
Carbon Tetrachloride	2.179	2.350	2.105	2.179	2.466
Bromodichloromethane	0.505	0.551	0.565	0.556	0.619
1,2-Dichloropropane	0.226	0.204	0.211	0.199	0.229
cis-1,3-Dichloropropene	0.349	0.353	0.374	0.364	0.422
Trichloroethene	0.297	0.329	0.306	0.299	0.338
Dibromochloromethane	0.615	0.660	0.675	0.646	0.767
1,1,2-Trichloroethane	0.235	0.251	0.267	0.249	0.274
Benzene	0.522	0.508	0.490	0.521	0.575
trans-1,3-Dichloropropene	0.479	0.515	0.521	0.508	0.571
2-Chloroethyl Vinyl Ether	0.070	0.106	0.108	0.122	0.134
Bromoform	0.417	0.449	0.454	0.458	0.577
4-Methyl-2-Pentanone	0.150	0.162	0.127	0.140	0.152
2-Hexanone	0.122	0.095	0.117	0.124	0.139
Tetrachloroethene	0.518	0.540	0.502	0.526	0.646
1,1,2,2-Tetrachloroethane	0.370	0.372	0.393	0.370	0.411
Toluene	0.892	0.965	0.899	0.912	0.952
Chlorobenzene	0.706	0.724	0.710	0.693	0.784
Ethylbenzene	0.279	0.306	0.284	0.294	0.340
Styrene	0.507	0.533	0.524	0.548	0.674
Xylene (Total)	0.342	0.363	0.332	0.358	0.417
Ethyl Ether	0.453	0.550	0.491	0.480	0.485
Acrolein	0.046	0.051	0.047	0.048	0.045
Freon TF	2.165	2.276	1.968	2.054	2.084

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Calibration Time(s): 1138 1359

LAB FILE ID: RRF5: A54321 RRF10: A54322 RRF20: A54323
RRF50: A54324 RRF200: A54325

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Isopropanol					
Acetonitrile	0.010	0.007	0.006	0.006	0.006
TBA	0.047	0.050	0.046	0.049	0.048
Acrylonitrile	0.066	0.090	0.092	0.103	0.109
MTBE	2.344	2.462	2.236	2.403	2.379
Hexane	0.355	0.369	0.400	0.372	0.383
DIPE	2.478	2.630	2.334	2.472	2.419
Ethyl Acetate	0.084	0.048	0.048	0.072	0.081
Vinyl Acetate	2.012	2.281	2.013	2.180	2.117
Tetrahydrofuran					
Cyclohexane	0.886	0.950	0.931	0.927	0.950
Isobutanol					
Isopropyl Acetate	0.296	0.328	0.315	0.343	0.365
n-Heptane					
n-Butanol					
Propyl Acetate	0.235	0.246	0.251	0.248	0.256
Butyl Acetate	0.327	0.383	0.378	0.384	0.413
1,2-Dibromoethane	0.456	0.448	0.432	0.430	0.495
1,3-Dichlorobenzene	0.536	0.580	0.532	0.628	0.799
1,4-Dichlorobenzene	0.693	0.721	0.718	0.695	0.826
1,2-Dichlorobenzene	0.603	0.603	0.595	0.618	0.726
Naphthalene	0.597	0.567	0.581	0.606	0.703
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	2.102	2.064	2.092	1.837	1.833
1,4-Dioxane	0.001	0.001	0.001	0.001	0.002
n-Pentane	0.144	0.118	0.058	0.120	0.111
5-Methyl-2-Hexanone					
Isopropylbenzene	0.960	0.979	0.927	0.997	1.174
1,2,4-Trimethylbenzene	0.807	0.834	0.774	0.863	1.029
Cyclohexanone					
1,2,4-Trichlorobenzene	0.493	0.492	0.429	0.465	0.575
Methyl Methacrylate	0.043	0.044	0.048	0.050	0.058
Allyl Alcohol					
Epichlorohydrin	0.013	0.015	0.014	0.016	0.016
Allyl Chloride					
Benzyl Chloride	0.445	0.554	0.541	0.600	0.625
Isoprene	0.642	0.672	0.621	0.647	0.675
1,1,1,2-Tetrachloroethane	0.378	0.420	0.428	0.427	0.526

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Calibration Time(s): 1138 1359

LAB FILE ID: RRF5: A54321 RRF10: A54322 RRF20: A54323
RRF50: A54324 RRF200: A54325

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Camphene (total)					
Camphor					
1,3,5-Trimethylbenzene	0.838	0.863	0.772	0.832	0.996
1,2,3-Trichlorobenzene	0.442	0.415	0.392	0.399	0.489
n-Butylbenzene	0.699	0.815	0.718	0.791	0.947
sec-Butylbenzene	0.884	0.969	0.852	0.986	1.177
tert-Butylbenzene	0.838	0.891	0.794	0.919	1.073
p-Isopropyltoluene	0.820	0.911	0.840	0.943	1.158
n-Propylbenzene	0.634	0.696	0.681	0.742	0.896
m+p-Ethyltoluene					
o-Ethyltoluene					
Methyl Acetate	0.324	0.461	0.437	0.452	0.468
Methyl cyclohexane	0.256	0.252	0.237	0.268	0.296
1,2-Dibromo-3-chloropropane	0.112	0.109	0.136	0.118	0.144
Cyclohexene					
1,2-Dichlorotrifluoroethane					
n-Propanol					
3-Methyl-1-Pentyn-3-ol					
Propylene Oxide					
Ethanol					
Chlorotrifluoroethane					
Dichlorofluoromethane					
Ethylene Oxide					
Methyl Formate					
Isobutyraldehyde					
Amyl Acetate					
1,2,3-Trichloropropane	0.131	0.120	0.135	0.117	0.136
Chlorodifluoromethane					
1,3-Dichloropropane	0.492	0.477	0.501	0.479	0.522
Dibromomethane	0.241	0.246	0.254	0.246	0.282
1-Propene					
2-Chloropropane					
1-Chloropropane					
tert-Amymethyl Ether					
1,2-Dichloroethane-d4 (SUR)	0.047	0.048	0.052	0.049	0.052
Toluene-d8 (SUR)	1.157	1.162	1.246	1.167	1.167
Bromofluorobenzene (SUR)	0.649	0.649	0.683	0.655	0.673

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Calibration Time(s): 1138 1359

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	0.43376905	10.1*
Bromomethane	AVRG	1.03800725	6.0*
Vinyl Chloride	AVRG	0.64472019	7.1*
Chloroethane	AVRG	0.46528813	7.4*
Methylene Chloride	AVRG	0.82502327	6.8*
Acetone	AVRG	0.12440498	31.4*
Carbon Disulfide	AVRG	1.91579592	6.9*
Trichlorofluoromethane	AVRG	3.43589783	6.1*
1,1-Dichloroethene	AVRG	0.82178802	8.2*
1,1-Dichloroethane	AVRG	1.62596010	2.4*
trans-1,2-Dichloroethene	AVRG	0.90540078	3.2*
cis-1,2-Dichloroethene	AVRG	0.95541809	5.4*
Chloroform	AVRG	2.59748683	7.3*
1,2-Dichloroethane	AVRG	0.46244784	5.8*
2-Butanone	AVRG	0.06606624	11.6*
1,1,1-Trichloroethane	AVRG	2.34430908	3.8*
Carbon Tetrachloride	AVRG	2.25608721	6.6*
Bromodichloromethane	AVRG	0.55913028	7.3*
1,2-Dichloropropane	AVRG	0.21396081	6.1*
cis-1,3-Dichloropropene	AVRG	0.37270360	7.9*
Trichloroethene	AVRG	0.31378276	5.9*
Dibromochloromethane	AVRG	0.67287526	8.5*
1,1,2-Trichloroethane	AVRG	0.25528900	6.2*
Benzene	AVRG	0.52304842	6.1*
trans-1,3-Dichloropropene	AVRG	0.51905232	6.4*
2-Chloroethyl Vinyl Ether	AVRG	0.10819674	22.1*
Bromoform	AVRG	0.47128304	13.0*
4-Methyl-2-Pentanone	AVRG	0.14607602	9.1*
2-Hexanone	AVRG	0.11935024	13.4*
Tetrachloroethene	AVRG	0.54653839	10.4*
1,1,2,2-Tetrachloroethane	AVRG	0.38312584	4.8*
Toluene	AVRG	0.92423145	3.5*
Chlorobenzene	AVRG	0.72339763	4.9*
Ethylbenzene	AVRG	0.30051337	8.0*
Styrene	AVRG	0.55711296	12.0*
Xylene (Total)	AVRG	0.36250764	9.1*
Ethyl Ether	AVRG	0.49192682	7.2*
Acrolein	AVRG	0.04748492	4.8*
Freon TF	AVRG	2.10962252	5.5*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Calibration Time(s): 1138 1359

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.00710164	23.4*
TBA	AVRG	0.04806136	3.4*
Acrylonitrile	AVRG	0.09189563	18.0*
MTBE	AVRG	2.36499559	3.6*
Hexane	AVRG	0.37576642	4.5*
DIPE	AVRG	2.46655767	4.4*
Ethyl Acetate	AVRG	0.06647476	26.6*
Vinyl Acetate	AVRG	2.12071947	5.4*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	0.92881638	2.8*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.32950436	8.0*
n-Heptane	AVRG		
n-Butanol	AVRG		
Propyl Acetate	AVRG	0.24732159	3.1*
Butyl Acetate	AVRG	0.37729505	8.2*
1,2-Dibromoethane	AVRG	0.45209751	5.8*
1,3-Dichlorobenzene	AVRG	0.61518736	17.9*
1,4-Dichlorobenzene	AVRG	0.73095325	7.5*
1,2-Dichlorobenzene	AVRG	0.62920934	8.7*
Naphthalene	AVRG	0.61091645	8.8*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
Dichlorodifluoromethane	AVRG	1.98554585	7.0*
1,4-Dioxane	AVRG	0.00143550	7.8*
n-Pentane	AVRG	0.11033641	28.5*
5-Methyl-2-Hexanone	AVRG		
Isopropylbenzene	AVRG	1.00772245	9.6*
1,2,4-Trimethylbenzene	AVRG	0.86164664	11.5*
Cyclohexanone	AVRG		
1,2,4-Trichlorobenzene	AVRG	0.49088889	11.0*
Methyl Methacrylate	AVRG	0.04856552	11.9*
Allyl Alcohol	AVRG		
Epichlorohydrin	AVRG	0.01492065	9.6*
Allyl Chloride	AVRG		
Benzyl Chloride	AVRG	0.55304761	12.5*
Isoprene	AVRG	0.65158514	3.4*
1,1,1,2-Tetrachloroethane	AVRG	0.43604921	12.5*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Calibration Time(s): 1138 1359

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Camphene (total)	AVRG		
Camphor	AVRG		
1,3,5-Trimethylbenzene	AVRG	0.86020398	9.6*
1,2,3-Trichlorobenzene	AVRG	0.42739837	9.2*
n-Butylbenzene	AVRG	0.79419646	12.4*
sec-Butylbenzene	AVRG	0.97378031	13.0*
tert-Butylbenzene	AVRG	0.90296490	11.8*
p-Isopropyltoluene	AVRG	0.93448854	14.4*
n-Propylbenzene	AVRG	0.72991658	13.8*
m+p-Ethyltoluene	AVRG		
o-Ethyltoluene	AVRG		
Methyl Acetate	AVRG	0.42822096	13.9*
Methyl cyclohexane	AVRG	0.26195062	8.5*
1,2-Dibromo-3-chloropropane	AVRG	0.12362288	12.3*
Cyclohexene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG		
n-Propanol	AVRG		
3-Methyl-1-Pentyn-3-ol	AVRG		
Propylene Oxide	AVRG		
Ethanol	AVRG		
Chlorotrifluoroethane	AVRG		
Dichlorofluoromethane	AVRG		
Ethylene Oxide	AVRG		
Methyl Formate	AVRG		
Isobutyraldehyde	AVRG		
Amyl Acetate	AVRG		
1,2,3-Trichloropropane	AVRG	0.12785974	7.1*
Chlorodifluoromethane	AVRG		
1,3-Dichloropropane	AVRG	0.49403738	3.7*
Dibromomethane	AVRG	0.25396506	6.4*
1-Propene	AVRG		
2-Chloropropane	AVRG		
1-Chloropropane	AVRG		
tert-Amymethyl Ether	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.04984183	4.4*
Toluene-d8 (SUR)	AVRG	1.17991919	3.2*
Bromofluorobenzene (SUR)	AVRG	0.66178799	2.3*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 624

Instrument ID: VOAMS1 Calibration Date: 10/25/05 Time: 0845

Lab File ID: A54364 Init. Calib. Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Init. Calib. Times: 1138 1359

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Chloromethane	0.434	0.381		12.2	104
Bromomethane	1.038	0.971		6.4	86.0
Vinyl Chloride	0.645	0.605		6.2	96.0
Chloroethane	0.465	0.469		-0.9	62.0
Methylene Chloride	0.825	0.863		-4.6	39.5
Acetone	0.124	0.145		-16.9	40.0
Carbon Disulfide	1.916	1.562		18.5	40.0
Trichlorofluoromethane	3.436	3.585		-4.3	52.0
1,1-Dichloroethene	0.822	0.882		-7.3	49.5
1,1-Dichloroethane	1.626	1.812		-11.4	27.5
trans-1,2-Dichloroethene	0.905	0.953		-5.3	30.5
cis-1,2-Dichloroethene	0.956	0.960		-0.4	40.0
Chloroform	2.598	2.883		-11.0	32.5
1,2-Dichloroethane	0.462	0.510		-10.4	32.0
2-Butanone	0.066	0.055		16.7	40.0
1,1,1-Trichloroethane	2.344	2.516		-7.3	25.0
Carbon Tetrachloride	2.256	2.464		-9.2	27.0
Bromodichloromethane	0.559	0.615		-10.0	34.5
1,2-Dichloropropane	0.214	0.212		0.9	66.0
cis-1,3-Dichloropropene	0.372	0.394		-5.9	76.0
Trichloroethene	0.314	0.341		-8.6	33.5
Dibromochloromethane	0.673	0.694		-3.1	32.5
1,1,2-Trichloroethane	0.255	0.265		-3.9	29.0
Benzene	0.523	0.555		-6.1	36.0
trans-1,3-Dichloropropene	0.519	0.577		-11.2	50.0
2-Chloroethyl Vinyl Ether	0.108	0.101		6.5	124
Bromoform	0.471	0.441		6.4	29.0
4-Methyl-2-Pentanone	0.146	0.135		7.5	40.0
2-Hexanone	0.119	0.108		9.2	40.0
Tetrachloroethene	0.546	0.599		-9.7	26.5
1,1,2,2-Tetrachloroethane	0.383	0.404		-5.5	39.5
Toluene	0.924	1.033		-11.8	25.5
Chlorobenzene	0.723	0.781		-8.0	34.0
Ethylbenzene	0.301	0.315		-4.6	41.0
Styrene	0.557	0.566		-1.6	40.0
Xylene (Total)	0.362	0.385		-6.4	40.0
Ethyl Ether	0.492	0.478		2.8	40.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date: 10/25/05 Time: 0845

Lab File ID: A54364 Init. Calib. Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Init. Calib. Times: 1138 1359

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Acrolein	0.047	0.054		-14.9	40.0
Freon TF	2.109	2.043		3.1	40.0
Isopropanol					40.0
Acetonitrile	0.007	0.006		14.3	40.0
TBA	0.048	0.041		14.6	40.0
Acrylonitrile	0.092	0.079		14.1	40.0
MTBE	2.365	2.276		3.8	40.0
Hexane	0.376	0.382		-1.6	40.0
DIPE	2.467	2.316		6.1	40.0
Ethyl Acetate	0.067	0.045		32.8	40.0
Vinyl Acetate	2.121	2.021		4.7	40.0
Tetrahydrofuran					40.0
Cyclohexane	0.929	0.848		8.7	40.0
Isobutanol					40.0
Isopropyl Acetate	0.329	0.307		6.7	40.0
n-Heptane					40.0
n-Butanol					40.0
Propyl Acetate	0.247	0.238		3.6	40.0
Butyl Acetate	0.377	0.351		6.9	40.0
1,2-Dibromoethane	0.452	0.471		-4.2	40.0
1,3-Dichlorobenzene	0.615	0.637		-3.6	27.0
1,4-Dichlorobenzene	0.731	0.833		-14.0	37.0
1,2-Dichlorobenzene	0.629	0.651		-3.5	37.0
Naphthalene	0.611	0.633		-3.6	40.0
Methylnaphthalene (total)					40.0
Dimethylnaphthalene (total)					40.0
Dichlorodifluoromethane	1.986	2.074		-4.4	40.0
1,4-Dioxane	0.001	0.001		0.0	40.0
n-Pentane	0.110	0.128		-16.4	40.0
5-Methyl-2-Hexanone					40.0
Isopropylbenzene	1.007	1.115		-10.7	40.0
1,2,4-Trimethylbenzene	0.861	0.991		-15.1	40.0
Cyclohexanone					40.0
1,2,4-Trichlorobenzene	0.491	0.511		-4.1	40.0
Methyl Methacrylate	0.049	0.046		6.1	40.0
Allyl Alcohol					40.0
Epichlorohydrin	0.015	0.012		20.0	40.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date: 10/25/05 Time: 0845

Lab File ID: A54364 Init. Calib. Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Init. Calib. Times: 1138 1359

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Allyl Chloride					40.0
Benzyl Chloride	0.553	0.510		7.8	40.0
Isoprene	0.651	0.601		7.7	40.0
1,1,1,2-Tetrachloroethane	0.436	0.487		-11.7	40.0
Camphene (total)					40.0
Camphor					40.0
1,3,5-Trimethylbenzene	0.860	0.963		-12.0	40.0
1,2,3-Trichlorobenzene	0.427	0.427		0.0	40.0
n-Butylbenzene	0.794	0.879		-10.7	40.0
sec-Butylbenzene	0.974	1.100		-12.9	40.0
tert-Butylbenzene	0.903	0.996		-10.3	40.0
p-Isopropyltoluene	0.934	1.057		-13.2	40.0
n-Propylbenzene	0.730	1.077		-47.5	40.0
m+p-Ethyltoluene					40.0
o-Ethyltoluene					40.0
Methyl Acetate	0.428	0.410		4.2	40.0
Methyl cyclohexane	0.262	0.242		7.6	40.0
1,2-Dibromo-3-chloropropane	0.124	0.132		-6.4	40.0
Cyclohexene					40.0
1,2-Dichlorotrifluoroethane					40.0
n-Propanol					40.0
3-Methyl-1-Pentyn-3-ol					40.0
Propylene Oxide					40.0
Ethanol					40.0
Chlorotrifluoroethane					40.0
Dichlorofluoromethane					40.0
Ethylene Oxide					40.0
Methyl Formate					40.0
Isobutyraldehyde					40.0
Amyl Acetate					40.0
1,2,3-Trichloropropane	0.128	0.142		-10.9	40.0
Chlorodifluoromethane					40.0
1,3-Dichloropropane	0.494	0.545		-10.3	40.0
Dibromomethane	0.254	0.266		-4.7	40.0
1-Propene					40.0
2-Chloropropane					40.0
1-Chloropropane					40.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS1 Calibration Date: 10/25/05 Time: 0845

Lab File ID: A54364 Init. Calib. Date(s): 10/24/05 10/24/05

Heated Purge: (Y/N) N Init. Calib. Times: 1138 1359

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
tert-Amymethyl Ether					40.0
1,2-Dichloroethane-d4 (SUR)	0.050	0.053		-6.0	
Toluene-d8 (SUR)	1.180	1.214		-2.9	
Bromofluorobenzene (SUR)	0.662	0.699		-5.6	

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 624

Matrix: WATER Level: LOW Lab Job No: H547

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	AV297B	101	104	99		0
02	679273	96	101	100		0
03	679274	100	100	94		0
04	679275	106	102	100		0
05	679276	95	102	98		0
06	679277	104	102	94		0
07	AV298A	99	102	93		0
08	679278	107	103	99		0
09	679279	100	101	98		0
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		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(69-131)
S2	= Toluene-d8	(60-131)
S3	= Bromofluorobenzene	(67-128)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 679192

MS Sample from Lab Job No: H528

QA Batch: 0025

Compound	MS % REC.	BS % REC.	LIMITS
Chloromethane	75	125	0-273
Bromomethane	75	120	0-242
Vinyl Chloride	85	130	0-251
Chloroethane	70	125	14-230
Methylene Chloride	100	115	0-221
Trichlorofluoromethane	85	120	17-181
1,1-Dichloroethene	100	115	0-234
1,1-Dichloroethane	95	115	59-155
trans-1,2-Dichloroethene	100	115	54-156
Chloroform	85	100	51-138
1,2-Dichloroethane	95	100	49-155
1,1,1-Trichloroethane	100	110	52-162
Carbon Tetrachloride	95	110	70-140
Bromodichloromethane	90	110	35-155
1,2-Dichloropropane	80	95	0-210
cis-1,3-Dichloropropene	80	105	0-227
Trichloroethene	90	110	71-157
Dibromochloromethane	80	110	53-149
1,1,2-Trichloroethane	95	110	52-150
Benzene	90	110	37-151
trans-1,3-Dichloropropene	85	110	17-183
2-Chloroethyl Vinyl Ether	2	120	0-305
Bromoform	75	115	45-169
Tetrachloroethene	95	120	64-148
1,1,2,2-Tetrachloroethane	85	115	46-157
Toluene	90	110	47-150
Chlorobenzene	95	110	37-160
Ethylbenzene	100	110	37-162
1,3-Dichlorobenzene	95	120	59-156
1,4-Dichlorobenzene	90	110	18-190

* Values outside of QC limits

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 679192

MS Sample from Lab Job No: H528

QA Batch: 0025

Compound	MS % REC.	BS % REC.	LIMITS
1,2-Dichlorobenzene	95	120	18-190

* Values outside of QC limits

Spike Recovery: 0 out of 62 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): A54323 Date Analyzed: 10/24/05

Instrument ID: VOAMS1 Time Analyzed: 1303

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	202262		7.53		805114		9.00		536920		12.64	
	UPPER LIMIT	404524		8.03		1610228		9.50		1073840		13.14	
	LOWER LIMIT	101131		7.03		402557		8.50		268460		12.14	
	LABORATORY SAMPLE NO.												
01	AV297B	167679		7.60		657765		9.07		450411		12.70	
02	679273	168234		7.62		660436		9.07		437352		12.71	
03	679274	163370		7.62		665906		9.08		455927		12.72	
04	679275	162583		7.61		644579		9.09		441736		12.71	
05	679276	165928		7.63		641243		9.09		438058		12.72	
06	679277	160754		7.61		652262		9.09		450326		12.71	
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): A54364 Date Analyzed: 10/25/05

Instrument ID: VOAMS1 Time Analyzed: 0845

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	185818		7.60		698020		9.07		462849		12.71	
	UPPER LIMIT	371636		8.10		1396040		9.57		925698		13.21	
	LOWER LIMIT	92909		7.10		349010		8.57		231424		12.21	
	LABORATORY SAMPLE NO.												
01	AV298A	146834		7.61		578010		9.07		385870		12.71	
02	679278	169085		7.60		663396		9.07		440421		12.71	
03	679279	167729		7.62		649212		9.07		448028		12.71	
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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